

1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

R 541

T 32 S R 5 E

Of the _____ Meridian,

in the State of _____

EXECUTED BY

Under special instructions dated _____, 19____, which provided

for the surveys included under Group No. _____, approved _____

and assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

R 541

T 32 S R 5 E

Of the _____ Meridian,

in the State of _____

EXECUTED BY

Under special instructions dated _____, 19____, which provided

for the surveys included under Group No. _____, approved _____

and assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

INDEX DIAGRAM

Township 32 SOUTH, Range 15 EAST

36 6	36 5	35 4 41	34 3 42 44	34 2 43 43	33 1 33
7	8	9 41 45	10	11	12 32
16	17 45	16 40 44	15	14	13 31
19	20	21 40	22	23	24 30
20	29 47	28 39	27	26	25 30 38
31 47 28	32 46 27	33 38 27	34 26	35 37 25	36 29 24

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 S R 16 E

Of the Meridian,

the State of

EXECUTED BY

Under special instructions dated, 19....., which provided
the surveys included under Group No., approved
assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

INDEX DIAGRAM

Township 32 SOUTH, Range 16 EAST

	63	62	61	60	60	59
		71	4	5	71	73
					72	1
		70	9	10	11	12
			73			57
13	17	70	16	74	15	14
			75			18
19	20	69	21	22	23	24
68	68					56
30	67	29	28	27	26	25
67					65	64
31	32	33	34	64	35	63
		66				36
						54

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32S R17E

Of the _____ Meridian,

in the State of _____

EXECUTED BY

Under special instructions dated _____, 19_____, which provided

for the surveys included under Group No. _____, approved _____

and assignment instructions dated _____, 19_____

Survey commenced _____, 19_____

Survey completed _____, 19_____

3A

INDEX DIAGRAM

Township 32 SOUTH , Range 17 EAST

93 6	93 5	92 4	98 3	92 2	91 1	91 0
7	8	9	98 10	100 11	12	89
18	17	102 16	97 15	14	13	88
19	20	101 21	96 22	23	24	88
30	29	28	96 27	26	25	87
31	104 32	103 33	95 34	35	94 36	86

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 SR 18 E

Of the Meridian,
the State of

EXECUTED BY

er special instructions dated, 19....., which provided
he surveys included under Group No., approved
assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

INDEX DIAGRAM

Township 32 SOUTH, Range 18 EAST

115	115	114	113	112	113
•	•	•	121 •	121 •	123 •
			124	122	
7	8	9	120 10	11	12
		126			
13	17	125 16	119 15	14	18
		124			
19	20	21	119 22	23	24
26	27	28	118 27	29	30
	128				117
31	127 32	126 33	117 34	35 116	36

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 S R 19 E

Of the _____ Meridian,

the State of _____

EXECUTED BY

under special instructions dated _____, 19____, which provided

for the surveys included under Group No. _____, approved _____

and assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

5A

INDEX DIAGRAM

Township 32 SOUTH , Range 19 EAST

152	151	151	150	149	149	
143 6	5	4	158 8	158 9	159 1	148
				159		
142 7	8	9	157 10	11	12	147
		161				
142 18	17	161 16	156 15	14	13	146
		160				
141 19	20	21	155 22	23	24	145
140 30	29	28	154 27	26	25	145
165	164	163			153	
139 31	163 32	162 33	154 34	35	153 36	144
139	138	137	137	136	135	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 S R 20 E

Of the _____ Meridian,

the State of _____

EXECUTED BY

or special instructions dated _____, 19____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

6A

INDEX DIAGRAM

Township 32 SOUTH , Range 20 EAST

176 •	175 •	174 •	174 182 •	173 179 •	172 177 •
				178	
7	8	9	181 10	11	12
		184			
13	17	183 16	180 15	14	18
		179			
19	20	21	22	23	24
20	29	28	27	26	25
31	32	33	34	35	36

7

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 SR 20 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

7A

INDEX DIAGRAM

Township 32 SOUTH, Range 20 EAST

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

192
191
190

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 1/2 SR 14 E

Of the _____ Meridian,

State of _____

EXECUTED BY

per special instructions dated _____, 19_____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19_____

Survey commenced _____, 19_____

Survey completed _____, 19_____

8A

INDEX DIAGRAM

Township 32 $\frac{1}{2}$ SOUTH, Range 14 EAST

6	5	4	3	2	1
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
	203				201
31	202	32	201	33	34
				35	200
					36

199

198

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 1/2 S R 15 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

9A

INDEX DIAGRAM

Township 32 $\frac{1}{2}$ SOUTH, Range 15 EAST

6	5	4	3	2	1
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
20	29	28	27	26	25 213
	216				214
31 215	32 215	33	34	35 213	36 212
211	210				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33518 E

Of the _____ Meridian,

State of _____

EXECUTED BY

special instructions dated _____, 19____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

10A

INDEX DIAGRAM

Township 33 SOUTH, Range 8 EAST

6	5	4	238	3	241	2	241	1	232
			240		239		239		
7	8	9	237	10		11		12	232
			245						
16	17	244	18	237	15	14		13	231
			243						
19	20	21	236	22		23		24	230
20	29	28	235	27		26		25	229
	246	242						234	
31	245	32	242	33	235	34		35	233
								36	228
228	227	226	225		224		223		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S R 9 E

Of the _____ Meridian,

the State of _____

EXECUTED BY

under special instructions dated _____, 19____, which provided

for the surveys included under Group No. _____, approved _____

and assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

11A

INDEX DIAGRAM

Township 33 SOUTH , Range 9 EAST

6	5	4	263	3	267	2	266	1
			265		265		264	
7	8	9	262	10		11		12
			270					
19	17	269	16	262	15	14		13
			268					
19	20	21	261	22		23		24
30	29	28	260	27		26		25
	271							259
31	270	32	267	33	260	34	35	258
257	257	256	255	254	254	253		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S R 12 E

Of the _____ Meridian,

State of _____

EXECUTED BY

For special instructions dated _____, 19_____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19_____

Survey commenced _____, 19_____

Survey completed _____, 19_____

12A

INDEX DIAGRAM

Township 33 SOUTH, Range 12 EAST

6	277	4	3	2	1
7	8	9	10	11	12
16	17	18	15	14	13
19	20	21	22	23	24
26	27	28	27	26	25
31	32	33	34	35	36

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S 13 E

Of the _____ Meridian,

the State of _____

EXECUTED BY

der special instructions dated _____, 19____, which provided
the surveys included under Group No. _____, approved _____

l assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

13A

INDEX DIAGRAM

Township 33 SOUTH, Range 13 EAST

293 6	292 5	291 4	290 3	290 2	289 1
		299			288
7	8	9	298 10	11	12
		302			287
13	17	301 16	297 15	14	18
		300			286
19	20	21	296 22	23	24
20	29	25	296 27	26	25
					294
31	32	33	295 34	35	293
			212	283	284
					285

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S 28' 15 E

Of the _____ Meridian,

State of _____

EXECUTED BY

for special instructions dated _____, 19_____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19_____

Survey commenced _____, 19_____

Survey completed _____, 19_____

14A

INDEX DIAGRAM

Township 33 SOUTH, Range 13 EAST

6	5	4	3	308	307
				309	1
7	8	9	10	11	12
13	17	16	15	14	18
19	20	21	22	23	24
26	29	28	27	26	25
	311				
31	310	32	309	33	34
			34	35	36

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S 14 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

15A

INDEX DIAGRAM

Township 33 SOUTH, Range 14 EAST

330 •	330 •	329 •	328 •	327 •	327 •
		336	339	337	326
				338	
7	8	9	336 10	11	12 325
		341			
16	17	340 18	335 15	14	13 324
		339			
19	20	21	334 22	23	24 323
29	28	27	333 26	25	24 322
	343				332
31	342 32	341 33	332 34	35	331 36 321

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S R 15 E

Of the Meridian,

State of

EXECUTED BY

special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

16A

INDEX DIAGRAM

Township 33 SOUTH, Range 15 EAST

		360	359	358	357
•	• 366 •	• 367 •	366	1 356	
			368		
7	• 365 •	10	11	12 356	
		370			
16	17 364 18 369 15	14	13 355		
		369			
19	20 363 21	22	23	24 354	
20	29 362 28	27	26	25 353	
	371			361	
31 371 32 362 33		34	35 360 36 352		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

17

FIELD NOTES

T 33 S R 16 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

17A

INDEX DIAGRAM

Township 33 SOUTH, Range 16 EAST

0	5	4	3	2	1
7	6	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
29	29	28	27	26	25
31	381				
31	379	32	378	33	36

18

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S 16 E

Of the Meridian,

State of

EXECUTED BY

.....r special instructions dated, 19....., which provided

.....e surveys included under Group No., approved

.....ssignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

16A

INDEX DIAGRAM

Township 33 SOUTH, Range 16 EAST

395	394	394	393	392	391
.	.	.	401	402	403
				403	391
1	.	.	401	10	11
					12
		405			
13	17	404	16	400	15
		404			
19	20	21	399	22	23
					24
25	26	27	398	28	29
					30
31	32	33	397	34	35
					36
					37

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

19

FIELD NOTES

T 33 S 17 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

79A

INDEX DIAGRAM

Township 33 SOUTH, Range 17 EAST

420 6	419 5	418 4	417 3 426	417 2 426	416 1 427	415
				428		
7	8	9	425 10	11	12	414
		430				
16	17	429 18	424 15	14	13	413
		428				
19	20	21	423 22	23	24	413
30	29	28	422 27	26	25	412
	432	431			421	
433						
31	432 32	430 33	422 34	35	420 36	411

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S R 18 E

Of the _____ Meridian,

State of _____

EXECUTED BY

for special instructions dated _____, 19____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

20A

INDEX DIAGRAM

Township 33 SOUTH, Range 18 EAST

453	452	451	451	450	449				
6	5	4	460	3	461	2	460	1	440
					462				
7	8	9	459	10	11	12	440		
			465						
16	17	464	18	459	19	20	441		
			463						
26	27	28	458	29	30	31	442		
36	37	38	457	39	40	41	443		
			468				454		
46	47	466	456	44	45	453	44	44	
448	448	447	446	445	445	445	445		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 33 S R 19 E

Of the _____ Meridian,
in the State of _____

EXECUTED BY

Under special instructions dated _____, 19____, which provided
for the surveys included under Group No. _____, approved _____
and assignment instructions dated _____, 19____

Survey commenced _____, 19____
Survey completed _____, 19____

21A

INDEX DIAGRAM

Township 33 SOUTH, Range 19 EAST

6	5	4	3	482 2 480	1
				481	
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF

THE SOUTH, EAST, AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 32 SOUTH, RANGE 15 EAST

Of the CALIFORNIA Meridian,

in the State of

TEXAS

EXECUTED BY

Ernest E. Lane, Cadastral Surveyor (Chief of Party)

Frederic P. Sylvester, Cartographic Survey Aid

Donald A. Cannon, Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided

for the surveys included under Group No. 400, approved April 7, 1955

and assignment instructions dated April 23, 1956

Survey commenced July 16, 1956

Survey completed October 10, 1956

INDEX DIAGRAM

Township 34 South, Range 15 East

12	13	12	11	11	10
6	5	4 18	3 19	2 20	1 10
			21	20	
7	8	9 17	10	11	12 9
		22			
14	17 21	16 17	15	14	13 8
		21			
19	20	21 17	22	23	24 7
30	29	28 16	27	26	25 7
	21				15
31	32	33 15	34	35 14	36 6
			3	2	1

16-56770-1

Township 32 South, Range 15 East

Chains

The west boundary of T. 32 S., R. 15 E. was surveyed concurrently with the survey of this township and is described in the field notes of T. 32 S., R. 14 E.

The following field notes are those of the south, east, and north boundaries and a portion of the subdivision in T. 32 S., R. 15 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with Buff and Buff solar transit No. 26066 and Gurley solar transit No. 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work and were checked and tested frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations on the sun and Polaris throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of every ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse and triangulation methods. The details of such traverses and triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude $37^{\circ} 58' 20.7''$ N., longitude $110^{\circ} 12' 05.2''$ W., as computed from U.S.G.S. triangulation station "Orange", located in section 32 of this township.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° East.

South Boundary, T. 32 S., R. 15 E.

At a point 478.11 chs. East of the established cor. of Ts. 32 S., Rs. 14 and 15 E., providing for convergency North from the Seventh Standard Parallel South, point for the SE. cor. of T. 32 S., R. 15 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone, 2 ft. base, to top, with brass cap mkd.

T32S
R15E T32S
S36 S30
R16E
1956

South Boundary, T. 32-S., R. 15 E.

Chains	
	West, along the S. bdy. of sec. 36.
	Over rolling land, through scattered juniper and pinon; desc. 20 ft. along N. slope.
11.80	Wash, 10 lks. wide, 3 ft. deep, course S. 70° W.; asc. 20 ft. over SE. slope.
17.70	Spur, slopes SW. about 5 chs, to end; desc. 40 ft. over SW. slope.
34.20	Wash, 40 lks. wide, 3 ft. deep, course SW.; asc. 30 ft. over SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 36.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked
	<u>$\frac{1}{4}$ S36</u>
	1956
41.75	The closing cor. of T. 32 $\frac{1}{2}$ S., R. 15 E. and T. 32 S., R. 16 E., monumented by an iron post, $2\frac{1}{2}$ ins. diam., conforming to the field notes of T. 32 $\frac{1}{2}$ S., R. 15 E.
	Asc. 10 ft. over SE. slope.
47.40	Ascend over ledge about 10 ft. high, bears NE. and SW.; thence over nearly level top of spur.
48.10	Crest of spur, slopes SW.; desc. 40 ft. over W. slope.
64.10	Wash, 10 lks. wide, 2 ft. deep, course SW.; asc. 40 ft. over SE. slope.
77.20	Road, unimproved, North Wash to Sunset Pass, bears NE. and SW.; thence over nearly level land.
80.00	Point for the cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	T32S R15E
	<u>S35 S36</u>
	1956
	Land, rolling.
	Soil, sand and exposed sandstone.
	Timber, scattered juniper and pinon.
	West, along the S. bdy. of sec. 35.
	Over rolling land, through scattered juniper and pinon; asc. 40 ft. over SE. slope.
12.50	Base of abrupt ascent, bears N. 10° W. about 4 chs. thence NE. and S. 10° E. about 5 chs. thence SW.; asc. 250 ft. over ledges facing E.
18.00	Ascend over ledge about 50 ft. high, bears N. and S. 10° E. about 8 chs. thence SW.; asc. 40 ft. over bench on E. slope.
21.60	Ridge on bench bears NE. and SW.; desc. 40 ft. over rolling W. slope.

South Boundary, T. 32 S., R. 15 E.

Chains

49.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 35.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked $\frac{1}{4}$ S35

1956

Deposit a sandstone, 3x6x14 ins., marked with an X, at base of iron post.

Desc. 70 ft. over rolling W. slope.

76.50 E. rim of Cove Canyon, a ledge about 50 ft. high, bears NE. and SW.; desc. 80 ft. over ledge and steep W. slope.

80.00 Point for the cor. of secs. 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R15E

S34 S35

1956

Land, rolling and broken benchland.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

West, along the S. bdy. of sec. 34.

Over rolling bottom of Cove Canyon, through thinly scattered juniper; desc. 110 ft. over W. slope.

7.20 Base of abrupt descent, bears NE. and S.; desc. 60 ft. over W. slope.

22.20 Wash, 20 lks. wide, 4 ft. deep, course SW. about 15 chs. to junction with wash in the bottom of Cove Canyon; asc. 150 ft. over SE. slope.

35.50 Sandstone spur, about 40 ft. high, slopes sharply SE. about 10 chs. to end; desc. 60 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 34.

Set an iron post, 36 ins. long, 1 in. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

 $\frac{1}{4}$ S34

1956

Desc. 90 ft. over SW. slope.

49.60 Wash, in bottom of Cove Canyon, 30 lks. wide, 2 ft. deep, course S. 30° E. Trail road, North Wash to Sunset Pass, in bottom of wash; asc. 210 ft. over ledges on broken E. slope.

64.80 West rim of Cove Canyon, a ledge about 40 ft. high, bears N. and S. irregularly; asc. 10 ft. over rolling benchland on NE. slope.

80.00 Point for the cor. of secs. 33 and 34.

.South.Boundary,.T..32 S., R. 15 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked.

T32S R15E

S33|S34

1956

Land, rolling and broken benchland.
Soil, shallow sand and exposed shale and sandstone.
Timber, thinly scattered juniper and pinon.

West, along the S. bdy. of sec. 33.

Over rolling land, through scattered juniper and pinon.

7.00 Wash, 30 lks. wide, 2 ft. deep, course NE.; asc. 50 ft. over NE. slope.

16.00 Road, unimproved, North Wash to Sunset Pass, bears N. 30° E. and S. 30° W.; asc. 60 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

 $\frac{1}{4}$ S33

1956

Asc. 60 ft. over rolling E. slope.

60.60 Base of abrupt ascent, bears N. and S. 20° E.; asc. 410 ft. over E. slope.

78.01 Point selected for the witness cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R15E

WC S32|S33

1956

Asc. over steep E. slope.

90.00 Point for the cor. of secs. 32 and 33, falls on abrupt blue shale slope facing E., where the cor. cannot be perpetuated.

Land, rolling benchland and abrupt E. slope of the Sewing Machine.
Soil, shallow sand and clay, with exposed shale and sandstone.
Timber, thinly scattered juniper and pinon.

West, along the S. bdy. of sec. 32.

Over abrupt E. slope of the Sewing Machine, through scattered timber; asc. abruptly 400 ft. over talus slope and high sandstone ledge about 250 ft. high, on E. slope.

4.00 Top of N. point of the Sewing Machine, slopes sharply N.; desc. abruptly 500 ft. over ledge, about 250 ft. high, and W. talus slope.

South Boundary, T. 32 S., R. 15 E.

Chains

- 14.00 Base of abrupt descent, bears N. 10° E. and S.; desc. 250 ft. over W. slope.
- 38.11 Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 32.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked
WC $\frac{1}{4}$ S32
1956
Desc. 40 ft. over rolling W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 32 falls on abrupt NW. blue slope, where the cor. cannot be perpetuated
Desc. 110 ft. over rolling W. slope.
- 54.10 Wash, 20 lks. wide, 3 ft. deep, course SW.; asc. 30 ft. over E. slope.
- 54.60 Ascend over ledge about 20 ft. high, bears NE. and SW.; asc. 50 ft. over low spurs and minor drains putting S.
- 73.00 Spur, slopes S.; desc. 50 ft. over W. slope.
- 76.60 Wash, 10 lks. wide, 1 ft. deep, course S. 20° W.
- 77.90 Drain, course E. about 3 chs. to junction with wash from N.; asc. 40 ft. over E. slope.
- 80.00 Point for the cor. of secs. 31 and 32.
Set an iron post, 30 ins. long, 2 ins. diam.; 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked
T32S R15E
31|32
1956
Land, rolling benchland and abrupt W. slope of the Sewing Machine. Soil, shallow sand and clay, with exposed shale and sandstone. Timber, scattered juniper and pinon.
- West, along the S. bdy. of sec. 31.
Over rolling benchland, through thinly scattered juniper, asc. 20 ft. over E. slope.
- 1.80 Ascend over ledge about 10 ft. high, bears N. about 3 chs., thence NE. and S.; asc. 80 ft. over small spurs and minor drains putting S.
- 28.40 Base of abrupt ascent, bears NE. and SW. for about 5 chs., thence W.; asc. 50 ft. over SE. slope.
- 31.80 Spur, slopes sharply to S.; desc. 50 ft. over SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 31.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

South Boundary, T. 32 S., R. 15 E.

Chains

sealed

1/4 S31

1956

Desc. 160 ft. over rolling W. slope.

76.60 Wash, about 10 lks. wide, 2 ft. deep, course S. 60° W.; asc. 10 ft. over SE. slope.

78.11 The cor. of Ts. 32 S., Rs. 14 and 15 E., an iron post, 2 1/2 ins. diam., as described in the field notes of T. 32 S., R. 15 E.

Land, rolling.

Soil, shallow sand and exposed shale.

Timber, scattered juniper.

East Boundary, T. 32 S., R. 15 E.

From the SE. cor. of T. 32 S., R. 15 E., heretofore described.

North along the E. bdy. of sec. 36.

Over rolling land, through scattered juniper and pinon; desc. 10 ft. over N. slope.

2.00 Wash, about 10 lks. wide, 4 ft. deep, course S. 80° W.; asc. 50 ft. over S. slope.

4.10 Ascend over ledge about 20 ft. high, bears N. 80° E. and S. 80° W.; asc. 30 ft. along rolling W. slope

10.39 The closing cor. of sec. 19 and 30, T. 32 S., R. 15 E., monumented by an iron post, 2 1/2 ins. diam., set, marked, and witnessed as described in the field notes of T. 32 S., R. 16 E.

Asc. 20 ft. along rolling W. slope.

40.00 Point for the 1/4 sec. cor. of sec. 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap marked

1/4
S36
1956

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Asc. 30 ft. along rolling W. slope.

51.50 Wash, about 20 lks. wide, 3 ft. deep, course SW.; asc. 70 ft. over S. slope.

61.00 Road, unimproved, North Wash to Sunset Pass, bears E. and SW.; asc. 70 ft. over S. slope.

72.00 Base. of abrupt ascent, bears E. and W. irregularly; asc. 200 ft. over steep talus slope and ledges on S. slope.

80.00 Point for the cor. of secs. 25 and 36, falls on S. face of ledge about 20 ft. high. Not monumented.

Land, rolling and broken benchland.

Soil, shallow sand and exposed shale and sandstone.

Timber, scattered juniper and pinon.

East Boundary, T. 32 S., R. 15 E.

Chains

North, along the E. bdy. of sec. 25.

Over rim of bench and rolling benchland, through scattered juniper and pinon.

0.10 Asc. over ledge about 20 ft. high, bears E. and W. irregularly.

0.23 Point selected for the witness cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked.

T32S
R15E
S25
S36
" C
1956

Asc. 190 ft. over SW. slope.

16.60 Top of small knoll on spur, spur slopes SW.; desc. 60 ft. over NW. slope.

32.70 Drain, course SW.; asc. 40 ft. over SW. slope.

40.00 Point for the sec. cor. of sec. 25.

Set an iron post, 30 ins. long, 2 ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S
R15E
S25
" C
1956

Desc. 40 ft. over NW. slope.

42.50 Drain, course S. 60° W. about 15 chs. to junction with drain from the E.; asc. 170 ft. over NW. slope.

65.90 Spur, slopes S. 80° W.; desc. 60 ft. over NW. slope.

75.60 Wash, 10 lks. wide, 4 ft. deep, course S. 80° W.; asc. 60 ft. over S. slope.

80.00 Point for the cor. of secs. 24 and 25.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S T32S
R15E S18
S24 R16E
S25
1956

Land, rolling.

Soil, shallow sand and exposed shale.

Timber, scattered juniper and pinon.

North, along the E. bdy. of sec. 24.

Chains

miles

Over rolling land, through scattered juniper and pinon; asc. 900 ft. over broken SW. slope and high sandstone ledge about 450 ft. high.

35.50 Red sandstone point of North Block, projects SW. about 5 chs. to end; desc. 500 ft. over ledge about 450 ft. high and abrupt NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 24 falls on inaccessible NE. face of ledge.

42.60 Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, $4\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S

R15E

S24

W C

1956

Desc. 320 ft. over broken NE. slope.

45.00 Point for the cor. of secs. 13 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S

S13

S24

R15E

1956

T32S

S7

R16E

Land, rough and broken slopes of North Block.
Soil, shallow sand and exposed sand stone and shale.
Timber, scattered juniper and pinon.

North, along the E. bdy. of sec. 13.

Over rolling and broken E. slope of North Block, through scattered juniper and pinon; desc. abruptly 180 ft. over NE. slope.

1.20 Base of abrupt descent, bears NW. and SE. irregularly; desc. 150 ft. over low spurs and minor drains putting NE.

40.40 Point for the $\frac{1}{4}$ sec. cor. of sec. 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S

R15E

S13

1956

Desc. 70 ft. over NE. slope.

48.20 Wash, 20 lks. wide, 3 ft. deep, course E.; asc. 180 ft. over low spurs and minor drains putting SE.

50.00 Point for the cor. of secs. 12 and 13.

East Boundary, T. 32 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S | T32E

S12 | S6

S13

R15E | R16E

1956

Land, rolling.
Soil, sand, rocks, and exposed shale.
Timber, scattered juniper and pinon.

North, along the E. bdy. of sec. 12.

Over rolling land, through scattered juniper and pinon; asc. 150 ft. over SE. slope.

10.57 The closing cor. of Ts. 31 and 32 S., R. 16 E.; monumented by an iron post, 2 1/2 ins. diam., set as described in the field notes of T. 32 S., R. 16 E.

19.00 Base of abrupt ascent, bears NE. and SW. irregularly; asc. 220 ft. over SE. slope.

39.30 Spur, slopes E.; desc. 10 ft. over NE. slope.

40.00 Point for the 4 sec. cor. of sec. 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32E

R15E

S12

1956

Desc. 150 ft. along broken E. slope.

59.20 Train; course S. 20° W.; asc. abruptly 1000 ft. over talus and high ledges on S. slope.

76.20 E. rim of North Block, a cliff about 250 ft. high, bears N. 70° E. about 3 chs., thence N. and S. 70° W.

80.00 Point for the cor. of secs. 1 and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground and in a mound of stone, 2 1/2 ft. base, to top, with brass cap marked

T32E | T32E

S12 | S31

S13

R15E | R16E

1956

Land, rolling and broken slopes of North Block.
Soil, shallow sand and exposed shale and sandstone.
Timber, scattered juniper and pinon.

Chains

Notes

North, along the E. bdy. of sec. 1. 900 ft. over rolling top of North Block, through medium dense juniper and pinon; desc. 160 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 1.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S
R15E
 $\frac{1}{4}$
S1
1956

41.70 North rim of North Block, a ledge about 100 ft. high, bears NW. about 3 chs. thence SW. and SE. about 3 chs. thence E. irregularly; desc. 850 ft. over high ledges and N. talus slope.

61.50 Base of abrupt descent, bears N. 60° W.; and S. 60° E.; desc. 90 ft. over rolling N. slope.

80.00 Point for the cor. of Ts. 31 and 32 S., R. 15 E.

Set an iron post, 30 ins. long, 2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S T31S
R15E
S36 S30
S1
T32S R16E
1956

Land, rolling and broken slopes of North Block.
Soil, shallow sand and exposed shale and sandstone.
Timber, scattered to medium dense juniper and pinon.

North Boundary, T. 32 S., R. 15 E.

From the cor. of Ts. 31 and 32 S., R. 15 E.

N. 89° $59'$ W., bet. secs. 1 and 36.

Over rolling land, through scattered juniper and pinon, desc. 350 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S R15E
 $\frac{1}{4}$ S36
S1
T32S
1956

Desc. 60 ft. over NW. slope.

North Boundary, T. 32 S., R. 15 E.

Chains

- 44.50 Wash, course N. 30° W.; asc. 160 ft. over NE. slope.
 59.70 Spur, slopes N. 10° W.; desc. 170 ft. over NW. slope.
 71.60 Wash, 20 lks. wide, 4 ft. deep, course N.; asc. 30 ft. over NE. slope.
 80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S R15E

S35 S36

S 2 S 1

T32S

1956

Land, rolling

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

N. 89° 59' W., bet. secs. 2 and 35.

Over rolling land, through scattered juniper and pinon; asc. 60 ft. over E. slope.

- 3.60 Saddle in spur; spur projects N.; desc. 120 ft. over NW. slope.
 20.90 Wash, 10 lks. wide, 3 ft. deep, course N.; asc. 90 ft. over NE. slope.
 40.00 Point for the 4 sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap marked

T31S R15E

S35

S 2

T32S

1956

Asc. 40 ft. over NE. slope.

- 42.30 Spur, projects NW.; desc. 260 ft. over SW. slope.

- 80.00 Point for the cor. of secs. 2, 3, 34, and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4½ ft. base, to top, with brass cap marked

T31S R15E

S34 S35

S 3 S 2

T32S

1956

Land, rolling

Soil, shallow sand and exposed shale.

Timber, scattered juniper and pinon.

N. 89° 59' W., bet. secs. 3 and 34.

North Boundary, T. 32 S., R. 15 E.

Chains

Over rolling land, through scattered juniper and pinon; desc. 70 ft. over SW. slope.

16.30 Wash, about 15 lks. wide, 2 ft. deep, course NW.; asc. 40 ft. over NE. slope.

25.10 Spur, slopes NW.; desc. 80 ft, over SW, slope.

28.70 Wash, 20 lks. wide, 3 ft. deep, course NW.; asc. 40 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S R15E

$\frac{1}{4}$ S34

S 3

T32S

1956

Desc. 70 ft. over SW. slope.

42.80 Wash, 20 lks. wide, 2 ft. deep, course NW.; asc. 30 ft. over low spur and minor drains putting northerly.

80.00 Point for the cor. of secs. 3, 4, 33, and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T31S R15E

S33 S34

S 4 S 3

T32S

1956

Land, rolling

Soil, shallow sand and exposed shale.

Timber, thinly scattered juniper.

N. 89° 59' W., bet. secs. 4 and 33.

Over rolling land, through scattered juniper, desc. 120 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T31S R15E

$\frac{1}{4}$ S33

S4

T32S

1956

Desc. 20 ft. over NW. slope.

42.50 Wash, 10 lks. wide, 2 ft. deep, course N. 60° W.; asc. 30 ft. over NE. slope.

45.80 Low, spur, slopes NW.; desc. 90 ft. over rolling W. slope.

North Boundary, T. 32 N., R. 15 W.

Chains.

78.40

Wash, 15 lks. wide, 3 ft. deep, course N about 3 chs. to junction with wash in bottom of South Hatch Canyon; asc. 10 ft. over E. slope.

80.00

Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 2 ft. base, to top, with brass cap marked

T31S R15E

S32 S33

S 5 S 4

T32S

1956

Land, rolling

Soil, shallow sand and exposed shale.

Timber, scattered juniper.

N. 89° 59' W., bet. secs. 5 and 32.

Over rolling land, through thinly scattered juniper, desc. 20 ft. along N. slope.

37.10

Wash, 20 lks. wide, 2 ft. deep, course N.; asc. 10 ft. along N. slope.

40.00

Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked

T31S R15E

S32

S 5

T32S

1956

40.80

Wash, 10 lks. wide, 1 ft. deep, course N. 60° E. about 3 chs. to junction with wash from S.; asc. 90 ft. over SE. slope.

54.00

Spur, slopes NE.; asc. 180 ft. along rolling N. slope.

79.90

Spur, slopes N. 70° W.

80.00

Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 2½ ft. base, to top, with brass cap marked

T31S R15E

S31 S32

S 6 S 5

T32S

1956

Land, rolling

Soil, shallow sand and clay, with exposed shale.

Timber, thinly scattered juniper.

N. 89° 59' W., bet. secs. 6 and 31.

Over rolling land, through thinly scattered juniper, desc. 320 ft. over W. slope.

North Boundary, T. 32 S., R. 15 E.

Chains		Notes
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked
		$\begin{array}{r} T31S R15E \\ \frac{1}{4} \frac{S31}{S6} \\ T32S \\ 1956 \end{array}$
		Desc. 110 ft. over rolling W. slope.
63.20		Wash, 30 lks. wide, 1 ft. deep, course N. 20° W., asc. 40 ft. along rolling N. slope.
77.10		The cor. of Ts. 31 and 32 S., Rs. 14 and 15 E.; monumented by an iron post, $2\frac{1}{2}$ ins. diam., set as described in the field notes of T. 32 S., R. 14 E.
		Land, rolling. Soil, shallow sand and exposed shale. Timber, thinly scattered juniper.
Portion of the Subdivision, T. 32 S., R. 15 E.		
		From the cor. of secs. 35 and 36, on the S. bdy. of the Tp.
		N. 0° $01'$ W., bet. secs. 35 and 36.
		Over broken benchland, through scattered juniper and pinon; asc. 40 ft. over S. slope.
9.90		Base of abrupt ascent, bears E. and W.; asc. 200 ft. over ledges on S. slope.
14.90		Summit, a ledge about 50 ft. high, bears E. and W.; asc. 30 ft. over S. slope.
32.10		Edge, bears E. and W.; desc. 10 ft. along rolling W. slope.
40.00		Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
		Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
		$\begin{array}{r} T32S R15E \\ S35 \uparrow S36 \\ 1956 \end{array}$
		Asc. 20 ft. over S. slope.
44.90		Top of ascent, slopes N.; desc. 60 ft. over NW. slope.
67.30		Wash, 10 lks. wide, 2 ft. deep course W.; asc. 20 ft. over rolling W. slope.
80.00		Point for the cor. of secs. 25, 26, 25, and 36.
		Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

Partial of the Subdivision, T42S, R. 15 E.

Chains	
	<p>T32S R15E S25 S26 S35 S36 1956</p> <p>Land, rolling benchland. Soil, shallow sand and exposed shale. Timber, scattered juniper and pinon.</p>
	<p>From the true point for the cor. of secs. 25 and 36, on the E. bdy. of the Tp. N. 89° 57' W., bet. secs. 25 and 36.</p> <p>Over rolling benchland, through scattered juniper and pinon.</p>
0.10	Ascend over ledge about 20 ft. high, bears E. and SW.; asc. 40 ft. over SE. slope.
4.00	Top of ledge, bears NE. and SW.; asc. SE. slope.
22.70	Spur, slopes S. 70° W.; desc. 80 ft. along N. slope.
39.97	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	<p>T32S R15E $\frac{1}{4}$ S25 S36 1956</p> <p>Continue along rolling N. slope.</p>
52.80	Spur, slopes N. 60° W.; desc. 100 ft. over SW. slope.
79.94	The cor. of secs. 25, 26, 35, and 36. Land, rolling benchland. Soil, shallow sand and exposed shale. Timber, scattered juniper and pinon.
	<p>From the cor. of secs. 33 and 34, on the S. bdy. of the Tp. N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over rolling benchland, through scattered juniper and pinon; asc. 30 ft. along E. slope.</p>
12.10	Junction of washes, 20 lks. wide, 2 ft. deep, course NE.; desc. 30 ft. along E. slope.
33.10	Wash, 20 lks. wide, 3 ft. deep, course N. 80° E.; asc. 10 ft. along E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked
	<p>T32S R15E S33 S34 1956</p>

Portion of the Subdivision, T₃₂S., R. 15 E.

Chains

45.90

Read, unimproved, North Wash to Sunset Pass, bears N. 20° E. and S. 20° W.; desc. 10 ft. along E. slope.

50.60

Wash, 10 lks. wide, 3 ft. deep, course N. 80° E.; continue along E. slope.

67.80

Wash, 20 lks. wide, 3 ft. deep, course E.; continue along E. slope.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked

T32S R15E

S28|S27

S33|S34

1956

Land, rolling benchland.

Soil, shallow sand and exposed shale.

Timber, scattered juniper and pinon.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling benchland, through scattered juniper and pinon; desc. 20 ft. over NE. slope.

2.70

Wash, 10 lks. wide, 4 ft. deep, course SE.; asc. 60 ft. over S. slope.

20.00

Top of ascent, slopes E.; desc. 30 ft. over NE. slope.

26.30

Wash, 20 lks. wide, 2 ft. deep, course SE.; asc. 60 ft. over SW. slope.

35.10

Spur, slopes S. 10° E.; desc. 20 ft. along NE. slope.

38.20

Wash, 10 lks. wide, 2 ft. deep, course SE.; asc. 10 ft. over SW. slope.

40.00

Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R15E

S28|S27

1956

Asc. 30 ft. over SE. slope.

61.70

Wash, 20 lks. wide, 2 ft. deep, course SE.; asc. 10 ft. over rolling SE. slope.

80.00

Point for the cor. of secs. 21, 22, 27, and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R15E

S21|S22

S28|S27

1956

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains	
	<p>Land, rolling. Soil, shallow sand and exposed shale. Timber, scattered juniper and pinon.</p>
	<p>N. 0° 02' W., bet. secs. 21 and 22.</p>
	<p>Over rolling land, through scattered timber; asc. 90 ft. over rolling SE. slope.</p>
14.60	<p>Base of steep ascent, bears N. 30° E. and SW.; asc. 240 ft. over steep SE. slope.</p>
38.20	<p>Top of ascent, slopes E.; desc. 10 ft. over NE. slope.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S R15E S21 S22 1956</p>
	<p>Desc. 120 ft. over NE. slope.</p>
65.60	<p>Base of steep descent, bears N. 30° W. and S. 10° E.; desc. 40 ft. over rolling E. slope.</p>
77.60	<p>Wash, 10 lks. wide, 3 ft. deep, course E.; asc. 10 ft. over SE. slope.</p>
80.00	<p>Point for the cor. of secs. 15, 16, 21 and 22.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S R15E S16 S15 S21 S22 1956</p>
	<p>Land, rolling. Soil, shallow sand and exposed shale. Timber, scattered juniper and pinon.</p>
	<p>N. 0° 02' W., bet. secs. 15 and 16.</p>
	<p>Over rolling land, through scattered timber; asc. 150 ft. over SE. slope.</p>
28.50	<p>Base of steep ascent, bears N. 60° E. and S. 20° W.; asc. 650 ft. over steep talus and high cliff on SE. slope.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, falls on inaccessible cliff facing S., where the cor. cannot be monumented.</p>
43.74	<p>Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 2$\frac{1}{2}$ ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S R15E S16 S15 W C 1956</p>

Portion of the Subdivision, T. 22 S., R. 15 E.

Chains		united
43.80	Top of high narrow sandstone ridge connecting North and South Blocks, cliffs about 500 ft. high; desc. 750 ft. over cliff and abrupt NW. slope.	
62.50	Base of steep descent, bears N. 70° E. and S. 70° W.; desc. 210 ft. over NW. slope.	
80.00	Point for the cor. of secs. 9, 10, 15, and 16. Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked T32S R15E S 9 S10 S16 S15 1956	
	Land, rolling and rough broken breaks of North and South Blocks. Soil, shallow sand and exposed shale and sandstone. Timber, scattered juniper and pinon.	
	N. 0° 02' W., bet. secs. 9 and 10. Over rolling land, through scattered timber; desc. 270 ft. over NW. slope.	
34.80	Wash, 10 lks. wide, 3 ft. deep, course N. 60° W.; asc. 20 ft.	
37.70	Spur, slopes NW.; desc. 20 ft.	
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd. T32S R15E ¼ S 9 S10 1956	
	Desc. 50 ft. along rolling W. slope.	
76.30	Wash, 10 lks. wide, 3 ft. deep, course NW.	
80.00	Point for the cor. of secs. 3, 4, 9, and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap mkd. T32S R15E S 4 S 3 S 9 S10 1956	
	Land, rolling. Soil, shallow sand and exposed shale. Timber, scattered juniper and pinon.	
	N. 0° 02' E., bet. secs. 3 and 4.	

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains

Over rolling land, through scattered timber; desc. 10 ft. over NW. slope.

0.70 Wash, 10 lks. wide, 2 ft. deep, course S. 30° W. about 4 chs. to junction with wash from SE.; asc. 120 ft. over S. slope.

36.00 Spur, slopes W.; desc. 40 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R15E

S4 | S3
1956

Asc. 30 ft. over SW. slope.

49.20 Spur, slopes N. 70° W.; desc. 150 ft. along rolling W. slope.

79.51 The cor. of secs. 3, 4, 33, and 34, on the N. bdy.

Land, rolling.

Soil, shallow sand and exposed shale.

Timber, thinly scattered juniper

From the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling land, through scattered juniper and pinon, desc. 60 ft. over SW. slope.

7.10 Wash, 20 lks. wide, 4 ft. deep, course W.; asc. 50 ft. over N. slope.

20.10 Slope changes, asc. 160 ft. over NW. slope.

39.67 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R15E

S3 | S2
1956

Asc. 120 ft. over NW. slope.

58.50 Spur, slopes N. 10° E. from S. 10° E.; asc. 40 ft. along rolling W. slope.

79.67 Point for the cor. of secs. 2, 3, 10 and 11, at a distance calculated to connect a parallel, connecting the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9, and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S R15E

S 3 | S 2
S10 | S11
1956

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains

Land, rolling.
Soil, shallow sand and exposed shale.
Timber, scattered juniper and pinon.

S. 89° 51' E., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1 and 12. on the E. bdy.

Beginning of traverse, true line inaccessible; topography scaled from U.S.G.S. topographic maps.

Over broken land, through scattered timber; asc. about 300 ft. over high ledges bearing E. and W. irregularly.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, falls on inaccessible ledge facing E.

47.18 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11

Set an iron post, 30 ins. long, 2 ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R15E

$\frac{1}{4}$ S 2

04 S11

1956

Continue over broken and rugged land, through scattered juniper and pinon; asc. about 700 ft. over high inaccessible ledges on low slope.

80.00 Point for the cor. of secs. 1, 2, 11, and 12.

Set an iron post, 30 ins. long, 2 ins. diam., 3 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R15E

$\frac{1}{4}$ S 2 S 1

S11 S 2

1956

Cor. is located on top of the N. rim of North block.

Land, broken N. wall of North Block.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

N. 0° 02' W. bet. secs. 1 and 2.

By traverse and triangulation to the $\frac{1}{4}$ sec. cor. of secs. 1 and 2; topography scaled from U.S.G.S. topographic maps.

Over broken N. slope, of North Block, through scattered juniper and pinon; desc. about 900 ft. over high inaccessible ledges on NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R15E

$\frac{1}{4}$ S 2 S 1

1956

. Portion of the Subdivision, T. 32 S., R. 15 E.

Chains

End of traverse and triangulation.

Desc. 250 ft. over N. slope.

57.30 Wash, 10 lks. wide, 4 ft. deep, course N. 30° E.; desc. 50 ft. along rolling E. slope.

79.85 The cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.

Land, rough and broken.

Soil, shallow sand and exposed shale and sandstone.

Timber, scattered juniper and pinon.

From the cor. of secs. 2, 3, 10, and 11.

N. 89° 55' W., bet. secs. 3 and 10.

Over rolling land, through scattered timber; desc. 200 ft. over W. slope.

12.50 Wash, 10 lks. wide, 2 ft. deep, course NW.; asc. 50 ft. over NE. slope.

19.00 Spur, slopes NW.; desc. 180 ft. over SW. slope.

30.70 Wash, 10 lks. wide, 3 ft. deep, course N. 70° W.; desc. 20 ft.

40.05 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S R15E

$\frac{1}{4}$ $\frac{S}{10}$
1956

Desc. 90 ft. over NW. slope.

80.09 The cor. of secs. 3, 4, 9, and 10.

Land, rolling.

Soil, shallow sand and exposed shale.

Timber, scattered juniper and pinon.

From the cor. of secs. 15, 16, 21, and 22.

West, bet. secs. 16 and 21.

Over rough broken breaks of South Block, through scattered timber, by triangulation; asc. about 850 ft. over steep talus slope and high inaccessible ledges facing E.

35.80 Rim of South Block and end of triangulation, rim bears S. 30° E. and NE.; asc. 30 ft. over E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21:

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains

T32S R15E

S16

S21

1956

Asc. 90 ft. over E. slope.

60.80 Top of ascent, slopes N. 20° E.; desc. 130 ft. over NW. slope.

80.00 Point for the cor. of secs. 16, 17, 20, and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked

T32S R15E

S17 S16

S20 S21

1956

Land, rolling top and rough broken E. breaks of South Block.
Soil, shallow sand and exposed sandstone and shale.
Timber, scattered to medium dense juniper and pinon.

N. 0° 03' W.; bet. secs. 16 and 17.

Over rolling top of South Block, through scattered juniper and pinon;
Desc. 60 ft. along NW. slope.

7.50 Rim of North Block, bears N. irregularly and W.

Note: the line bet. secs. 16 and 17 is inaccessible from this point to the point for the cor. of secs. 8, 9, 16 and 17; topography scaled from U. S. G. S. topographic maps.

Desc. about 200 ft. along inaccessible ledges facing W.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17 falls on inaccessible ledges facing W.; cor. not monumented.

80.00 Point for the cor. of secs. 8, 9, 16, and 17 falls on inaccessible ledges facing W., where the cor. cannot be monumented.

Point selected for the witness cor. of secs. 8, 9, 16 and 17, hereinafter described, bears S. 89° 50' E., 4.90 chs. dist.

Land, rough and broken breaks of South Block.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

From the cor. of secs. 9, 10, 15, and 16.

N. 89° 50' W., bet. secs. 9 and 16.

Over rolling land, through scattered timber; desc. 200 ft. over NW. slope.

24.20 Wash, 20 lks. wide, 4 ft. deep, course N.; asc. 180 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 9 and 16.

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S R15E

$\frac{S}{4} \frac{9}{S16}$
1956

By triangulation, topography is scaled from U.S.G.S. topographic maps. Asc. about 900 ft. over steep talus and high sandstone ledges on NE. slope.

75.09 Point selected for the witness cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R15E
W $\frac{S}{8}$ $\frac{S}{9}$
C S17 S16
1956

Cor. is located on high sandstone point projecting NW.; desc. about 400 ft. over high inaccessible ledges facing W.

79.99 The cor. of secs. 8, 9, 16, and 17.

Land, rough and broken breaks of South Block.
Soil, shallow sand and exposed shale and sandstone.
Timber, scattered juniper and pinon.

/ true point for the
From the cor. of secs. 32 and 33, on the S. bdy. of the Tp.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Note; the line between secs. 32 and 33 is inaccessible, topography is scaled from U.S.G.S. topographic maps.

By triangulation, asc. about 1000 ft. along high sandstone ledges facing E., to rim.

40.00 Point for $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls on ledges facing E., Cor not monumented.

71.20 E. rim of South Block, bears N. 10° E. and S. irregularly; asc. 10 ft. over S. slope.

80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S R15E
 $\frac{S}{29}$ $\frac{S}{28}$
 $\frac{S}{32}$ $\frac{S}{33}$
1956

Land, rough breaks of South Block.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered juniper and pinon.

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains	Notes
	From the cor. of secs. 31 and 32, on the S. bdy. of the Tp. N. $0^{\circ} 03'$ W., bet. secs. 31 and 32. Over rolling land, through scattered timber; asc. 320 ft. over SE. slope.
28.00	Base, of steep ascent, bears NE. and SW.; asc. 800 ft. over high sandstone ledges on SE. slope.
39.30	S. rim of South Block, a ledge about 50 ft. high, bears N. 30° E. and S. 60° W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked <div style="text-align: center;">T32S R15E S31 S32 1956</div>
	From this cor., U.S.G.S. triangulation station "Orange", a brass tablet seated in sandstone, bears N. $5^{\circ} 40'$ E., 13.33 chs. dist. Geographic position, Lat. $37^{\circ} 58' 55.475''$ N., Long. $110^{\circ} 17' 33.854''$ W. Asc. 140 ft. over S. slope.
52.10	Spur, slopes S. 30° W.; desc. 110 ft. along W. slope.
62.70	rim of South Block, a ledge about 30 ft. high, bears N. 20° E. and SW.; desc. 200 ft. over ledge and steep W. slope.
80.00	Point for the cor. of secs. 29, 30, 31, and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone; 3 ft. base, to top, with brass cap marked <div style="text-align: center;">T32S R15E S30 S29 S31 S32 1956</div>
	Land, rough and broken breaks of South Block. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinon.
	From the cor. of secs. 28, 29, 32, and 33. N. $89^{\circ} 58'$ W., bet. secs. 29 and 32. Over rolling top of South Block, through medium dense timber; asc. 20 ft. over E. slope.
5.00	Top of ascent, bears N. 10° E. and S. 10° W.; desc. 70 ft. over NW. slope.
24.80	Bottom of descent, slopes NW.; asc. 20 ft. over NE. slope.
37.00	Top of ascent, slopes N.; desc. 30 ft. over W. slope.
40.07	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Portion of the Subdivision, T. 32 S., R. 15 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T32S R15E

4 $\frac{829}{832}$
1956

Desc. 50 ft. over W. slope.

53.50 Drain, course N. 70° W.; desc. 20 ft. along N. slope.

62.20 E. rim of ravine, a ledge about 20 ft. high, bears NE. and S. 20° W.; desc. 200 ft. over NW. slope.

68.40 Wash, in bottom of ravine, drains sharply N. 10° W.; asc. 200 ft. over ledges on NE. slope.

78.00 Spur, projects N. about 2 chs. to end; desc. 150 ft. over ledges on W. slope.

80.14 The cor. of secs. 29, 30, 31, and 32.

Land, rolling and broken top of South Block.
Soil, shallow sand and exposed sandstone.
Timber, medium dense juniper and pinon.

General Description

The land in Township 32 South, Range 15 East is high sandstone mesaland of North and South Blocks, descending to rolling and broken shale benches to the north and south. Drainage in the township is southeast via Cove Canyon, southwest via Rock Canyon, northwest via Fiddlers Cove Canyon, and north into South Hatch Canyon. The elevation varies from 4800 feet above sea level in South Hatch Canyon on the north boundary to 7000 feet on North Block.

An unimproved road, North Wash to Sunset Pass, enters the township on the south boundary of section 33, bearing southerly and westerly to North Wash and northerly to Cove Canyon, thence southeasterly along the bottom of Cove Canyon, leaving on the south boundary of section 34. The same road re-enters on the south boundary of section 36, bearing northeasterly to leave on the east boundary of section 36, continuing northerly to Sunset Pass.

Vegetation consists of juniper and pinon, scattered Brigham tea and blackbrush, and a sparse growth of bunch grass.

There are no permanent settlements in the township, and the only use of the land is for a limited amount of winter stock grazing. There are a number of uranium claims throughout the township; none were active at the time of this survey.

Cove Spring is the only source of water in the township, located in section 27, and was dry at the time of this survey.

FIELD ASSISTANTS

CERTIFICATE OF CADASTRAL ENGINEER

Craig P. Sylvester, Cartographic Survey Aid
We, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 17th day of March, 1957,
we have surveyed the South, East, and North boundaries and a portion of the subdivis-
al lines of Township 32 South, Range 15 East

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by us and under our direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 18, 1957

Salt Lake City, Utah

Craig P. Sylvester, Cartographic Survey Aid
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, _____, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of March, 1957, I have supervised the survey of the South, East, and North boundaries and a portion of the subdivisional lines in Township 32 South, Range 15 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

February 18, 1957

Salt Lake City, Utah

Vern E. Lane, Cadastral Surveyor

Vern E. Lane

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of the South, East, and North boundaries and a portion of the subdivisional lines in Township 32 South, Range 15 East.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern E. Lane.

having been critically examined and found correct, are hereby approved.

Donald A. Cannon

Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the East and North Boundaries

and a

Portion of the Subdivisional Lines

of

Township 32 South, Range 16 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

George D. Veorhess, Cadastral Surveyor

Craig P. Sylvester and Donald A. Cannon, Cartographic Survey Aids

per special instructions dated March 17, 1955, which provided

the surveys included under Group No. 400, approved April 4, 1955

assignment instructions dated April 23 and May 1, 1956

Survey commenced June 27, 1956

Survey completed September 27, 1956

INDEX DIAGRAM

Township 32 South, Range 16 East

	10	9	8	7	7	6
		5 18	4	3 18	2 20	1 5
					19	
		8 17	9	10	11	12 4
			20			
13		17 17	16 21	15	14	13 4
			22			
13		20 16	21	22	23	24 3
	15	15				
20 14		29	28	27	26	25 2
14					12	11
31		32 13	33	34 11	35 10	36 1

10-20770-1

- George D. Voorhees
- Craig P. Sylvester
- Donald A. Cannon

Township 32 South, Range 16 East

Chains

The south and west boundaries were surveyed concurrently with the survey of this township and are described in the field notes of the survey of T. 33 S., R. 16 E. and T. 32 and 32½ S., R. 15 E., respectively.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivisional lines in T. 32 S., R. 16 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits, Nos. 481346 and 541331, and Buff and Buff solar transit No. 26066, all constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work, and were tested and checked frequently during the progress of the survey.

The directions of all lines being reported were determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line method, but for simplification of the record the random lines are omitted from these field notes. In accordance with the intent of the special instructions, all subdivisional corners are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and were found to be correct. The measurements were made on the slope, the vertical angles determined by the use of clinometers, and the slope distances properly reduced to their horizontal equivalents which appear in these field notes. All lines were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position of the southeast corner of the township is latitude 37° 56' 43.6" N., longitude 110° 06' 06" W., as determined by section line traverse from U.S.G.S. triangulation station "Orange", located in section 32, T. 32 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° East.

East Boundary, T. 32 S., R. 16 E.

Beginning at the cor. of Ts. 32 and 33 S., Rs. 16 and 17 E., monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the field notes of T. 33 S., R. 16 E.

North, bet. secs. 31 and 36.

Over rough and broken land, through scattered timber; desc. 410 ft. over ledges on steep NW. slope.

Wash, 35 lks. wide, 2 ft. deep, course N. 35° E.; asc. 30 ft. over ledges on steep SE. slope.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Cement an iron post, 12 ins. long, 1 in. diam., drilled 4 ins. in sandstone surface, with brass cap marked.

S36/S31

1956

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, west of iron post.

Continue ascent, asc. 80 ft. over ledges on steep SE. slope.

43.50

Spur, projects NE. about 8 chs. to end; thence by triangulation.

44.50

S. rim of Bowdie Canyon, bears NE. and S. 30° W.; desc. about 260 ft. over S. wall of Bowdie Canyon.

54.00

Wash, in bottom of Bowdie Canyon, drains S. 40° W. on curve from the E.; asc. about 420 ft. over N. wall of Bowdie Canyon.

68.00

Spur, projects S. 60° W.; desc. about 100 ft. over steep NW. slope.

74.00

Wash, drains SW.; asc. about 220 ft. over ledges on steep SE. slope.

80.00

Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ in. diam., on solid sandstone, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top of post, with brass cap marked.

T32S

R16E R17E

S25/S30

S36/S31

1956

Land, rough and broken.

Soil, sand and considerable exposed sandstone.

Timber, scattered pinon and juniper.

North, bet. secs. 25 and 30.

Over rough and broken land, through scattered timber; asc. 80 ft. over SE. slope.

4.20

N. rim of Bowdie Canyon, bears NE. and W.; asc. 180 ft. over rolling top of bench on SW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 36 ins. long, 1 in. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked.

S25/S30

1956

Continue over rolling top of bench; desc. 30 ft.

46.60

Small wash, drains NW.

55.80

Small wash, drains W.; asc. 30 ft. along W. slope.

71.00

Top of ascent, bears E. and W.; desc. 20 ft. over NW. slope.

East Boundary, T. 32 S., R. 16 E.

Chains	
80.00	<p>Point for the cor. of secs. 19, 24, 25, and 30.</p> <p>Set an iron post, 36 ins. long, 1 in. diam., 20 ins. in the ground to bedrock, with brass cap marked</p> <p style="text-align: center;">T32S R16E R17E S24/S29 S25/S30 1956</p> <p>Insert deposit of charcoal at base of iron post.</p> <p>Land, rolling. Soil, sand. Timber, scattered to medium dense juniper and pinon.</p>
16.50	<p>North, bet. secs. 19 and 24.</p> <p>Over rolling top of bench, through scattered timber; desc. 60 ft. over brush covered NW. slope.</p> <p>Small wash, drains NW.; asc. 10 ft. along W. slope.</p>
24.90	<p>Top of ascent, bears NW. and SE.; desc. 30 ft. over NW. slope.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.</p> <p>Set an iron post, 36 ins. long, 1 in. diam., 20 ins. in the ground to bedrock; with brass cap marked</p> <p style="text-align: center;">S24/S19 1956</p> <p>Deposit charcoal at base of iron post.</p> <p>Continue over rolling top of bench; desc. 50 ft. along NW. slope.</p>
48.60	<p>Top of ledges bears N. 70° W. and S. 85° E.; desc. 190 ft. over series of ledges on steep NW. slope.</p>
58.50	<p>Small wash, drains W. about 4. chs., thence N. 20° W.; desc. 20 ft. over NW. slope.</p>
80.00	<p>Point for the cor. of secs. 13, 18, 19, and 24.</p> <p>Set an iron post, 36 ins. long, 1 in. diam. 22 ins. in the ground to bedrock and in a mound of stone, 2-ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T32S R16E R17E S13/S18 S24/S19 1956</p> <p>Deposit charcoal at base of iron post.</p> <p>Monument falls in small wash, drains NW.</p> <p>Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.</p>

East Boundary, T. 32 S. R. 16 E.

Chains

North, bet. secs. 13 and 18. Point for the cor. of secs. 13 and 18 falls on face of canyon wall and is not monumented. Continue descent over canyon wall.

10.50 Small spur, projects W.; desc. 60 ft. over NW. slope.

21.98 Point selected for the witness point bet. secs. 13 and 18.

Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 1/2 ft. base, to top of post, with brass cap marked

W P
S13 S18
1956

Monument falls on S. rim of Colorado River Canyon, bears NW. and SE.; thence by triangulation, desc. about 1,000 ft. over abrupt S. wall of canyon.

40.00 Point for the 1/4 sec. cor. of secs. 13 and 18 falls on face of canyon wall and is not monumented. Continue descent over canyon wall.

59.50 The approximate position of the left bank of the Colorado River, about 2,000 ft. below the S. rim, bears N. 35° W. and S. 35° E. Thence across the Colorado River, course N. 35° W.

Note: this portion of the Colorado River Canyon was inaccessible.

64.70 The approximate position of the right bank of the Colorado River, bears N. 35° W. and S. 35° E.; asc. about 700 ft. over N. wall of canyon.

80.00 Point for the cor. of secs. 7, 12, 13, and 18 falls in inaccessible spot of canyon wall and is not monumented.

Land, rough and broken breaks of the Cataract Canyon of the Colorado River.

Soil, shallow sand and exposed sandstone.

Timber, scattered pinyon and juniper.

North, bet. secs. 7 and 12.

Continue over N. wall of Colorado River Canyon. Asc. about 220 ft.

3.50 Spur, projects N. 85° W.; desc. about 300 ft. over steep NW. slope.

15.50 Wash, drains S. 60° W.; asc. about 1000 ft. over S. slope of canyon wall.

31.04 Point selected for the witness point bet. secs. 7 and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32
R16 R17
1956

Monument falls on N. rim of Colorado River Canyon about 1,800 ft. above the Colorado River, bears E. and W. End of triangulation.

S. 21. E. East Boundary, T. 32 S., R. 16 E.

Chains	
40.00	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 7 and 12.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S R16E R17E S12 S 7 1956</p>
76.20	<p>Continue over rough and broken land; desc. 170 ft. over NW. slope.</p> <p>Wash, in bottom of canyon, drains SW.; asc. 30 ft. over ledges on steep S. slope.</p>
80.00	<p>Point for the cor. of secs. 1, 6, 7, and 12.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S R16E R17E S 1 S 6 S12 S 7 1956</p> <p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.</p>
6.80	<p>North, bet. secs. 1 and 6.</p> <p>Over rough and broken land, through scattered timber; asc. 220 ft. over steep S. slope.</p> <p>Top of steep ascent, bears NE. and W.; continue to asc. along SW. slope.</p>
13.00	<p>Top of ascent; desc. 180 ft. over NW. slope.</p>
40.00	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 6.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S R16E R17E S1 S 6 1956</p> <p>Continue over rough and broken land, enter medium dense timber; asc. 110 ft. over W. slope of bench.</p>
77.00	<p>Top of ascent, bears E. and W.; top of sandstone knoll, bears East, about 30 lks. dist.; desc. 70 ft. over NW. slope.</p>
80.00	<p>Point for the cor. of Ts. 31 and 32 S., Rs. 16 and 17 E.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked</p>

East Boundary, T. 32 S., R. 16 E.

Chains	<p> T31S R16E R17E S36/S37 S 1 S 6 T32S 1956 </p>	<p> 00.00 </p>
	<p> Land, rough and broken. Soil, sand and exposed sandstone. Timber, south half mile scattered pinon and juniper, north half mile medium dense juniper and pinon. </p>	
	<p>North Boundary, T. 32 S., R. 16 E.</p>	
	<p> From the cor. of Ts. 31 and 32 S., Rs. 16 and 17 E. West, bet. secs. 1 and 36. Over rough and broken land, through medium dense timber; desc. 340 ft. over steep NW. slope. </p>	00.00
27.60	<p>Base of steep descent, bears N. and S.; thence over nearly level land, desc. 30 ft.</p>	
35.80	<p>Wash, 20 lks. wide, 2 ft. deep, course S.; asc. 20 ft. over E. slope.</p>	
40.00	<p> Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to bedrock, with brass cap marked </p>	
	<p> T31S R16E $\frac{1}{4}$ S36 S 1 S 1 T32S 1956 </p>	
	<p> Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of iron post. Continue over nearly level land; thence by triangulation. </p>	00.00
42.00	<p>Base of ascent, bears N. and S.; asc. about 260 ft. over ledges on steep E. slope.</p>	
48.20	<p>Top of ascent, bears N. and S.; asc. 50 ft. over E. slope.</p>	
51.30	<p>Spur, projects N. 30° E.; desc. 10 ft. along broken N. slope.</p>	
80.00	<p> Point for the cor. of secs. 1, 2, 35, and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked </p>	
	<p> T31S R16E S35/S36 S 2 S 1 T32S 1956 </p>	00.00
	<p> Land, rough and broken. Soil, sand and considerable exposed sandstone. Timber, medium dense pinon and juniper. </p>	

S. of N. North Boundary, T. 32 S., R. 16 E.

Chains	West, bet. secs. 2 and 35.
19.30	Over rough and broken land, through medium dense timber; desc. 20 ft. over N. slope.
40.00	Wash, 20 lks. wide, 2 ft. deep, drains N.; asc. 130 ft. over broken NE. slope. Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
80.00	<div data-bbox="523 630 646 774"> T31S R16E $\frac{1}{4}$ S35 S 2 T32S 1956 </div> <p>Enter rolling land on gentle NW. slope; desc. 80 ft.</p> <p>Point for the cor. of secs. 2, 3, 34, and 35.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked</p> <div data-bbox="523 1017 646 1161"> T31S R16E S34/S35 S 3/S 2 T32S 1956 </div> <p>Land, rolling and broken. Soil, sand. Timber, medium dense juniper and pinon.</p>
38.80	<p>West, bet. secs. 3 and 34.</p> <p>Over rough and broken land, through dense timber; desc. 200 ft. over NW. slope.</p>
40.00	<p>Wash, 20 lks. wide, 3 ft. deep, course S. 30° W.; asc. 30 ft. over SE. slope.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock and in a mound of stone, 2 ft. base, to top of post, with brass cap marked</p>
58.20	<div data-bbox="523 1714 646 1858"> T31S R16E $\frac{1}{4}$ S34 S 3 T32S 1956 </div> <p>Continue ascent; asc. 90 ft. along SE. slope.</p> <p>Top of ascent, bears NW. and SE.; desc. 100 ft. over SW. slope.</p>
69.50	Wash, 15 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 130 ft. over E. slope.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.

North Boundary, T. 32S., R. 16 E.

Chains	<p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T31S R16E S33 S34 S 4 S 3 T32S 1956</p> <p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, east half mile dense pinon and juniper, west half mile scattered pinon and juniper.</p>
4.00	West, bet. secs. 4 and 33.
	Over rough and broken land, through scattered timber; asc. 50 ft. over E. slope.
26.40	Top of ascent, bears N. and S.; desc. 110 ft. over SW. slope.
32.90	Base of descent, bears NE. and SW.; asc. 50 ft. over steep SE. slope.
40.00	Spur, projects S. 20° W.; desc. 40 ft. over SW. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 falls in inaccessible spot on face of sandstone ledge.
40.10	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post, with brass cap marked
	<p style="text-align: center;">T31S R16E $\frac{1}{4}$ S33 S 4 → WC T32S 1956</p>
	Continue over broken SW. slope; desc. 180 ft.
49.90	Wash in bottom of Clearwater Canyon, 50 lks. wide, 10 ft. deep, drains S. 30° E.; asc. 210 ft. over steep NE. slope.
56.00	Top of ascent, bears N. 20° W. and S. 30° E.; desc. 70 ft. over SW. slope. Enter medium dense timber.
79.30	Point selected for the witness cor. of secs. 4, 5, 32, and 33, on top of ledge facing SW.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked
	<p style="text-align: center;">T31S R16E W S32 S33 C S 5 S 4 T32S 1956</p>
80.00	True point for the cor. of secs. 4, 5, 32, and 33 falls in inaccessible spot on face of sandstone ledge.

North Boundary, T. 32 S., R. 16 E

Chains	
	<p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered to medium dense juniper and pinon.</p>
	<p>West, bet, secs. 5 and 32.</p> <p>Over rough and broken land, through scattered timber; desc. 30 ft. over S. slope.</p>
15.80	Base of ascent, bears NE. and SW.; asc. 40 ft. over SE. slope.
23.70	Top of ascent, bears NE. and SW.; desc. 20 ft. along S. slope.
31.90	Wash, 20 lks. wide, 3 ft. deep; drains SE. on curve from S. 85° W.; asc. 10 ft. along S. slope.
39.80	Same wash; drains S. 85° E. on curve from NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.
	<p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 17 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T31S R16E $\frac{1}{4}$ $\frac{S32}{S5}$ T32S 1956</p>
	<p>Continue over rough and broken land; asc. 30 ft. over SE. slope.</p>
47.30	Bladed road, bears N. and S.; asc. 30 ft.
65.00	Base of ascent, bears NE. and SW.; asc. 170 ft. over ledges on steep SE. slope.
67.20	Top of ascent, bears NE. and SW.; desc. 20 ft. along S. slope.
72.90	Top of ledge, bears NW. and SE.; desc. abruptly 100 ft.
73.50	Base of ascent, bears NE. and S.; asc. 100 ft. over ledges.
78.00	Top of ledge, bears NE. and S.; thence over nearly level land.
80.00	Point for the cor. of secs. 5, 6, 31, and 32.
	<p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 3$\frac{1}{2}$ ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T31S R16E $\frac{S31}{S6}$ $\frac{S32}{S5}$ T32S 1956</p>
	<p>Land, rough and broken Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.</p>

North Boundary, T. 32 S., R. 16 E.

Chains

West, bet. secs. 6 and 31.

Over rolling and broken land, through scattered timber; asc. 30 ft. over SE. slope.

7.80 Wash, 20 lks. wide, 3 ft. deep, drains S. 70° E.; asc. 150 ft. over SE. slope.

29.30 Top of ascent, bears NW. and SE.; desc. 20 ft.

31.20 Wash, 15 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 100 ft. over talus on steep SE. slope.

35.92 Intersect the East Boundary of T. 32 S., R. 15 E.

Point for the closing cor. of Ts. 31 and 32 S., R. 16 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

	T31S
T32S	R16E
R15E	S31 C
S12	S 6 C
	T32S
	1956

From this point, the cor. of secs. 12 and 13, on the E. bdy. of T. 32 S., R. 15 E., bears South, 10.57 chs. dist.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

Portion of the Subdivision, T. 32 S., R. 16 E.

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp.; monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 33 S., R. 16 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over rough and broken land, through scattered timber; asc. 100 ft. over gentle SE. slope

19.10 Spur, slopes NE.; desc. 90 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base, to top of post, with brass cap marked

	¼
S35	S36
	1956

Continue to descend over rough and broken land; desc. 110 ft. over N. slope of bench.

66.60 S. rim of Bowdie Canyon, bears NE. and SW.; desc. 270 ft. over precipitous NW. slope.

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains

80.00 Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 12 ins. long, 1 in. diam., drilled 5 ins. in exposed sandstone, with brass cap marked

T32S R16E

S26|S25

S35|S36

1956

Land, rough and broken

Soil, sand and exposed sandstone.

Timber, scattered pinon and juniper.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp.

N. 89° 55' W., bet. secs. 25 and 36.

Over rough and broken land, on N. wall of Bowdie Canyon, through scattered timber; asc. 30 ft. along steep S. slope.

5.00 Spur, projects S.; desc. 100 ft. over steep SW. slope.

15.50 Base of ascent, bears N. 30° E. and S. 30° W.; asc. 50 ft. over SE. slope.

26.60 Spur, projects SW.; desc. 40 ft. over W. slope.

33.00 Base of ascent, bears NE. and SW.; asc. 10 ft. over SE. slope.

37.40 Spur, projects SW.; desc. 40 ft. over W. slope.

40.02 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 36 ins. long, 1 in. diam., on sandstone surface and in a mound of stone, 3½ ft. base, to top, with brass cap marked

$\frac{1}{4}$ $\frac{S25}{S36}$

1956

Continue over rough and broken land, on N. wall of Bowdie Canyon; thence by triangulation; desc. about 700 ft. over series of ledges on steep W. slope.

60.00 Wash, in bottom of Bowdie Canyon, drains N. 10° E. on curve from S. 10° E.; asc. about 600 ft. over series of ledges on S. wall of canyon.

77.40 Spur, on S. rim of Bowdie Canyon, projects N.; desc. 80 ft. over ledges on steep NW. slope.

80.04 The cor. of secs. 25, 26, 35, and 36.

Land, rough and broken breaks of Bowdie Canyon.

Soil, shallow sand and exposed sandstone.

Timber, scattered pinon and juniper.

From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp.; monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 33 S., R. 16 E.

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains	
	N. 0° 01' W., bet. secs. 34 and 35.
	Over rolling top of bench, through dense growth of timber; desc. 70 ft. over rolling N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 34 and 35. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked <div style="text-align: center;">S34 S35 1956</div>
	Continue over rolling top of bench; desc. 140 ft. over gentle N. slope.
67.40	E. rim of bench, bears N. 10° W. on curve from S. 25° E.; desc. 80 ft. over series of ledges along steep E. slope.
79.20	Point selected for the witness cor. of secs. 26, 27, 34, and 35. Cement an iron post, 12 ins. long, 1 in. diam., drilled 5 ins. in sandstone surface, with brass cap marked <div style="text-align: center;">T32S R16E W C S27 S26 S34 S35 1956</div>
	From which, an XBO on sandstone surface, bears W., 10 lks. dist.
80.00	True point for the cor. of secs. 26, 27, 34, and 35 falls in inaccessible spot on face of ledge. Land, rolling and broken Soil, sand and exposed sandstone. Timber, dense growth of pinon and juniper.
	From the cor. of secs. 25, 26, 35, and 36. West, bet. secs. 26 and 35. Over rough and broken land on S. wall of Bowdie Canyon; by triangulation, desc. about 80 ft. over ledges on steep NW. slope.
4.20	Base of ascent, bears N. 10° E. and S.; asc. about 240 ft. over ledges on steep NE. slope.
14.00	S. rim of Bowdie Canyon, bears NW. and SE.; asc. 40 ft. over NE. slope.
17.20	Spur, projects NW. about 4 chs., thence N.; desc. about 40 ft. over W. slope.
23.00	E. rim of canyon, bears NE. and S.; desc. about 380 ft. over E. wall of canyon.
33.30	Wash, in bottom of canyon, drains N. on curve from SE.; asc. about 320 ft. over cliffs and ledges on steep E. slope of canyon wall.
39.94	True point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35 falls on face of cliff and is inaccessible.

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains	
48.24	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 26 and 35. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top of post, with brass cap marked S26 W S35 C 1956
	Continue over E. slope of canyon wall; asc. 100 ft. End triangulation.
46.60	N. rim of canyon, bears N. 30° W. and S. 30° E.; asc. 10 ft. over NE. on rolling top of bench.
58.20	Top of ascent, bears N. and S.; desc. 10 ft. over NW. slope.
64.70	Small wash, 10 lks. wide, 6 ins. deep, drains N.; asc. 70 ft. over rolling NE. slope.
79.88	The true point for the cor. of secs. 26, 27, 34, and 35. Land, rough and broken Soil, sand and exposed sandstone. Timber, dense growth of pinon and juniper.
	From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp.; monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 33 S., R. 16 E. N. 0° 03' W., bet. secs. 32 and 33. Over rolling and broken land, through scattered timber; desc. 70 ft. over ledges on N. slope.
6.60	Wash, 15 lks. wide, 1 ft. deep, drains W. on curve from S. 60° E.; asc. 70 ft. over SW. slope.
26.00	Top of ascent, bears NW. and SE.; desc. 20 ft. over gentle NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Cement an iron post, 12 ins. long, 1 in. diam., 5 ins. in hole drilled in exposed sandstone, with brass cap marked S32 S33 1956
	Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, west of the iron post. Desc. 20 ft. over gentle NW. slope.
45.10	S. rim of Cataract Canyon of the Colorado River, bears E. and W. NOTE: The survey of this line was discontinued at this point as it is impossible to continue over the breaks of Cataract Canyon of the Colorado River. Land, rolling and broken, Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains

added

From the cor. of secs. 29, 30, 31, and 36, on the W. side of the Tp.; monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 32 S., R. 15 E.

N. 99° 58' E., bet. secs. 30 and 31.

Over rolling land, through scattered timber; asc. 110 ft. over gentle SW. slope.

1.00 Wash, course SW.

37.99 Point for the ¼ sec. cor. of secs. 30 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base, to top of post, with brass cap marked

T32S R16E

¼ S30
¼ S31

1956

38.50 Top of ascent, bears NE. and SW.; desc. 20 ft. over gentle SE. slope.

64.50 N. rim of Cataract Canyon of the Colorado River, bears N. 80° E. and SW.; desc. 80 ft. abruptly over ledge about 30 ft. high, and ledges on steep SE. slope of canyon wall

68.60 Point selected for the witness cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32S R16E

S30|S29 W
S31|S32 C

1956

77.99 True point for the cor. of secs. 29, 30, 31, and 32 falls in inaccessible spot on face of canyon wall, about 250 ft. below the rim.

Land, rolling

Soil, sand

Timber, scattered pinon and juniper.

From the true point for the cor. of secs. 29, 30, 31, and 32.

N. 0° 03' W., bet. secs. 29 and 30.

Over rough and broken land on W. wall of Cataract Canyon of the Colorado River; asc. 200 ft. over steep SE. slope.

9.00 W. rim of Cataract Canyon, bears NE. and SW.; asc. 130 ft. over broken SW. slope.

38.90 Point selected for the witness ¼ sec. cor. of secs. 29 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T32S R16E

¼ S30|S29

1956

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains	
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30 falls on face of ledge about 10 ft. high.
	Continue over broken SW. slope.
43.00	Top of ascent, bears N. 60° E. and S. 60° W.; desc. 60 ft. over rolling NW. slope.
80.00	Point for the cor. of secs. 19, 20, 29, and 30.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap marked
	<div style="text-align: center;"> T32S R16E S19 S20 S30 S29 1956 </div>
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pino and juniper.
	West, bet. secs. 19 and 30.
	Over rolling land, through scattered timber; desc. 60 ft. over NW. slope.
13.00	Wash, 10 lks. wide, 3 ft. deep, drains S. 60° W.; asc. 10 ft. along S. slope.
17.80	Spur, projects S. 80° W.; desc. 30 ft. over SW. slope.
36.16	Intersect the E. bdy. of T. 32 S., R. 15 E.
	Point for the closing cor. of secs. 19 and 30.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	<div style="text-align: center;"> T32S T32S S19 C S36 S30 C R15E R16E 1956 </div>
	From this point the SE. cor. of T. 32 S., R. 15 E., bears South, 10.89 chs. dist.
	Land, rolling Soil, sand and exposed sandstone. Timber, scattered pino and juniper.
	From the cor. of secs. 19, 20, 29, and 30.
	N. $89^{\circ} 58'$ E., bet. secs. 20 and 29.
	Over rolling land, through scattered timber; asc. 80 ft. over gentle NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 29.

16
Portion of the Subdivision, T. 32 S., R. 16 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone, 2 ft. base, to top, with brass cap marked

T32S R16E

$$\begin{array}{r} \frac{1}{4} \text{ } \underline{\text{S20}} \\ \text{S29} \\ 1956 \end{array}$$

Continue over rolling land; asc. 40 ft. over NW. slope.

61.40 Top of ascent, bears N. 30° E. and SW.; desc. 130 ft. over ledges on SE. slope.

80.00 Point for the cor. of secs. 20, 21, 28, and 29.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32S R16E

$$\begin{array}{r} \underline{\text{S20}|\text{S21}} \\ \text{S29}|\text{S28} \\ 1956 \end{array}$$

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered pinon and juniper.

N. 0° $03'$ W., bet. secs. 20 and 21.

Over rolling and broken land, through scattered timber; asc. 70 ft. over SE. slope.

14.90 Top of ascent, bears E. and W.; desc. 60 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone, 2 ft. base, to top of post, with brass cap marked

T32S R16E

$$\begin{array}{r} \uparrow \\ \text{S20}|\text{S21} \\ 1956 \end{array}$$

Continue over rolling and broken land; desc. 30 ft. over NE. slope.

47.70 Wash, 10 lks. wide, 2 ft. deep, drains S. 70° E.; asc. 100 ft. over SE. slope.

64.30 Top of ascent, bears E. and W.; desc. 50 ft. over NE. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T32S R16E

$$\begin{array}{r} \underline{\text{S17}|\text{S16}} \\ \text{S20}|\text{S21} \\ 1956 \end{array}$$

Section of the Nevada-Saskatchewan Boundary, T32S, R. 16 E.

Chains	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.	
7.30	N. 0° 03' W., bet. secs. 16 and 17. Over rolling land, through scattered timber; desc. 60 ft. over NE. slope. Wash, 20 lks. wide, 2 ft. deep, course S. 80° E.; asc. 90 ft. over SE. slope.	00.00
34.80	Top of ascent, bears E. and W.; desc. 10 ft. over gentle N. slope.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap marked T32S R16E S17/S16 1956	
65.80	No accessories available. Continue over rolling land; desc. 50 ft. over N. slope. Enter rough and broken land; desc. 20 ft. over NW. slope.	
80.00	Point for the cor. of secs. 8, 9, 16, and 17. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap marked T32S R16E S 8/S 9 S17/S16 1956	
33.50	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper. N. 0° 03' W., bet. secs. 8 and 9. Over rough and broken land, through scattered timber; by triangulation. Desc. about 210 ft. over ledges on NW. slope. Wash, 40 lks. wide, 4 ft. deep, drains W. 90° E.; asc. about 100 ft. over ledges on steep SE. slope.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T32S R16E S 8/S 9 1956	

Portion of the Subdivisions T. 32 S., R. 16 E.

Chains		Notes
		Continue over broken land; asc. 50 ft. over SE. slope.
55.20		End of triangulation.
60.00		Top of ascent, bears NE. and SW.; desc. 30 ft. over NE. slope.
80.00		Point for the cor. of secs. 4, 5, 8, and 9.
		Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone, 2 ft. base, to top of post, with brass cap marked
		T32S R16E S 5 S 4 S 8 S 9 1956
		Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.
		N. 0° 11' W., bet. secs. 4 and 5.
		Over rolling and broken land, through scattered timber; desc. 150 ft. over NE. slope.
27.40		Wash, 20 lks. wide, 10 ft. deep, drains SE.; asc. 150 ft. over S. slope.
40.00		Point for the ¼ sec. cor. of secs. 4 and 5.
		Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked
		T32S R16E S 5 S 4 1956
		Continue over rolling land; asc. 10 ft. over S. slope.
50.70		Top of ascent, bears E. and W.; desc. 170 ft. over NE. slope.
76.00		Wash, 30 lks. wide, 4 ft. deep, drains S. 70° E.; asc. 60 ft. over SW. slope.
79.53		The true point for the cor. of secs. 4, 5, 32, and 23, on the N. bay of the Tp.
		Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.
		From the cor. of secs. 2, 3, 34, and 35, on the N. bay of the Tp. S. 0° 01' E., bet. secs. 2 and 3.
		Over rolling land, through scattered timber; asc. 80 ft. over NW. slope.
33.50		Top of ascent, bears E. and W.; desc. 20 ft. over SE. slope.

3 of R. Section of the Subdivision, T. 32S., R. 16 E.

Chains	
39.77	True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3 falls in inaccessible spot on face of ledge about 6 ft. high.
39.84	<p>Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.</p> <p>Set an iron pest, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked</p>
	<p>T32S R16E W C S 3 S 2 1956</p>
	From which a cross (X) chiseled in the face of a sandstone ledge at true point bears N. 0° 01' W., 7 lks. dist.
	Continue over rolling land; desc. 150 ft. over SE. slope.
58.80	Small wash, drains S. 80° W.; asc. 20 ft. along W. slope.
75.20	Top of ascent, bears E. and W.; desc. 10 ft. over S. slope.
79.57	Point for the cor. of secs. 2, 3, 10, and 11.
	<p>Set an iron pest, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 2 ft. base, to top of post, with brass cap marked</p> <p>T32S R16E S 3 S 2 S10 S11 1956</p>
	Raise a mound of stone, 2 ft. base, 2 ft. high, west of iron pest.
	Land, rolling.
	Soil, sand and exposed sandstone.
	Timber, scattered pinon and juniper.
	S. 89° 55' E., bet. secs. 2 and 11.
	Over rolling and broken land, through scattered timber; asc. 160 ft. over gentle W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	<p>Set an iron pest, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post, with brass cap marked</p> <p>T32S R16E S 2 S11 1956</p>
	Continue over rolling and broken land; asc. 50 ft. over W. slope.
47.10	Top of ascent, bears N. 20° E. and S. 30° W.; desc. 120 ft. over E. slope.
65.00	Rim of canyon, bears NE. and S.; desc. 320 ft. over steep E. slope.
71.30	Point selected for the witness cor. of secs. 1, 2, 11, and 12.

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains	
	<p>Set an iron post; 30 ins. long; 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T32S R16E S 21 S 1 311 812 WC 1956</p>
80.00	<p>True point for the cor. of secs. 1, 2, 11, and 12, falls in inaccessible spot on face of canyon wall.</p> <p>Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.</p>
	<p>From the true point for the cor. of secs. 1, 2, 11, and 12.</p> <p>N. 0° 03' W., bet. secs. 1 and 2.</p> <p>Over rough and broken land, through scattered timber; asc. 40 ft. over ledges on steep SE. slope.</p>
2.40	Spur, projects E.; thence over steep E. slope of canyon wall.
15.00	Asc. 260 ft. over SE. to S. slope of canyon wall.
31.90	N. rim of canyon, bears E. and S. 30° W.; asc. 40 ft. over S. slope.
40.00	<p>Point for the ¼ sec. cor. of secs. 1 and 2.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T32S R16E S 21 S 1 1956</p>
	<p>Continue over rolling and broken land; asc. 90 ft. over ledges on S. slope.</p>
54.50	Top of ascent, bears E. and W.; desc. 170 ft. over gentle N. slope.
79.90	<p>The cor. of secs. 1, 2, 35 and 36, on the N. bay of the Tp.</p> <p>Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinon and juniper.</p>
	<p>From the cor. of secs. 8, 9, 16, and 17.</p> <p>N. 89° 58' E., bet. secs. 9 and 16.</p> <p>Over rough and broken land, through dense timber; asc. 70 ft. over NW. slope.</p>
15.00	Enter rolling land, through scattered timber, bears NE. and SW.
34.00	Top of ascent, bears N. 20° E. and S. 20° W.; desc. 20 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 16.

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains	
Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to bedrock and in a collar of stone, with brass cap marked	
	<p style="text-align: center;">T32S R16E S 9 1 S16 1956</p>
	<p style="text-align: center;">Continue over rolling land; desc. 10 ft. over gentle NE. slope.</p>
48.10	Wash, 5 lks. wide, 2 ft. deep, drains N. 30° W.; asc. 50 ft. over NW. slope.
69.80	Top of ascent, bears N. and S.; desc. 10 ft. over NE. slope.
80.00	Point for the cor. of secs. 9, 10, 15, and 16.
	<p style="text-align: center;">Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked</p>
	<p style="text-align: center;">T32S R16E S 9 S10 S16 S15 1956</p>
	<p>Land, rolling Soil, sand and exposed sandstone; Timber, scattered pinon and juniper.</p>
	<p>S. 0° 02' E., bet. secs. 15 and 16.</p>
	<p>Over rolling land, through scattered timber; asc. 30 ft. over NE. slope.</p>
7.90	Top of ascent, bears NE. and SW.; desc. 210 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	<p style="text-align: center;">Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked</p>
	<p style="text-align: center;">T32S R16E S16 S15 1956</p>
	<p>Continue over rolling and broken land; desc. 60 ft. over SE. slope.</p>
77.19	Point selected for the witness cor. of secs. 15, 16, 21, and 22.
	<p style="text-align: center;">Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface and in a mound of stone, 5 ft. base, to top of post, with brass cap marked</p>
	<p style="text-align: center;">T32S R16E S16 S15 S21 S22 W.C. 1956</p>
	<p>W. rim of Cataract Canyon of the Colorado River, bears N. 30° E. and S. 30° W.; desc. about 200 ft. over impassable ledges on W. wall of the canyon</p>

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains

80.00

True point for the cor. of secs. 15, 16, 21, and 22 is inaccessible as it falls on face of canyon wall.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered pinon and juniper.

From the cor. of secs. 16, 17, 20, and 21.

S. 89° 59' E. bet. secs. 16 and 21.

Over rough and broken land, through scattered timber; desc. 100 ft. over NE. slope.

17.20

Wash, drains SE.; asc. 10 ft. along S. slope.

26.00

Top of ascent, bears N. and S.; desc. 280 ft. over ledges on steep SE. slope.

38.70

Base of ascent, bears N. and S.; asc. 60 ft. over steep SW. slope.

40.03

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32S R16E

$$\frac{1}{4} \frac{S16}{S21}$$

1956

Continue over rough and broken land, along the W. rim of Cataract Canyon of the Colorado River; asc. 170 ft. over steep SW. slope.

58.50

Spur, on W. rim of Cataract Canyon, projects SW.; desc. about 200 ft. over precipitous W. wall of canyon, along S. slope.

80.06

The true point for the cor. of secs. 15, 16, 21, and 22.

Land, rough and broken ledges along rim of Cataract Canyon.

Soil, shallow sand and exposed sandstone.

Timber, scattered pinon and juniper.

General Description

Township 32 South, Range 16 East is nearly equally divided by Cataract Canyon of the Colorado River, draining the area southwesterly. Bowdie Canyon in the southeast portion of the township, drains a segment of the Dark Canyon Plateau north westerly to the Colorado River; Clearwater Canyon in the northwest portion of the township drains a large area of Waterhole Flat southeasterly to the Colorado River.

Elevations vary from 3600 ft. in the bottom of Cataract Canyon, to 6900 ft. on Red Point in the extreme west-central portion of the township.

No permanent sources of water were found.

A bladed road enters the N. bdy. in section 5, running south for about 3 miles, leaving the township on the west boundary of section 19.

General Description

Chains

Timber consists of dense to scattered stands of pinon and juniper. Sagebrush, blacktop, and brigham tea make up most of the undergrowth. A scant supply of native grasses may be found in the more sheltered areas.

4-000
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, Cadastral Surveyor, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 17th day of March, 1957 I have surveyed a portion of the East boundary and a portion of the subdivision in township 32 south, range 16 east.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

February 28, 1957

Salt Lake City, Utah

George D. Voorhees
George D. Voorhees, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of March, 1957

I have surveyed a portion of the East boundary, the North boundary and a portion of the subdivisional lines in Township 32 South, Range 16 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

February 28, 1957

Salt Lake City, Utah

Craig P. Sylvester

Craig P. Sylvester, Cartographic Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of March, 1957

I have surveyed a portion of the subdivisional lines in Township 32 South, Range 16 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

February 28, 1957

Salt Lake City, Utah

Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastral Surveyor, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 17th day of March, 1957 I have supervised the survey of the east and north boundaries and a portion of the subdivisional lines in township 32 south, range 16 east.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

February 28, 1957
Salt Lake City, Utah

Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 17 1957, 1957

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivisional lines in township 32 south, range 16 east.

executed by George D. Voorhees, Craig P. Sylvester, and Donald A. Cannon, under the supervision of Vern E. Lane. having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

THE NORTH AND EAST BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 32 SOUTH, RANGE 17 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Donald A. Cannon - Cartographic Survey Aid

Craig P. Sylvester - Cartographic Survey Aid

under special instructions dated October 12, 1954, which provided

for the surveys included under Group No. 403, approved November 22, 1954

and assignment instructions dated August 2 1956
April 22, 1957

Survey commenced October 8, 1956

Survey completed June 3, 1957

INDEX DIAGRAM

Township _____ 32 South _____, Range _____ 17 East _____

8 6	8 5	7 4	7 13 3	6 15 2	6 14 1 5
7	8	9	13 10	15 11	12 4
18	17	17 16	12 15	14	18 4
19	20	16 21	11 22	23	24 3
30	29	28	11 27	26	25 2
31	19 32	18 33	10 34	35	10 9 36 1

Donald A. Cannon _____

Craig P. Sylvester _____

Township 32 South, Range 17 East

Chains

The south boundary of T. 32 S., R. 17 E. was surveyed by George D. Voorhees in 1956, and the west boundary was surveyed by Craig P. Sylvester and George D. Voorhees in 1956.

The following field notes are those of the survey of the north and east boundaries and a portion of the subdivision of T. 32 S., R. 17 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

This survey was executed with a W. and L. E. Gurley transit, serial No. 541331, and Buff and Buff light mountain solar transit, serial No. 26066, both equipped with improved telescopic solar attachment, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the survey and were maintained in proper adjustment throughout the progress of the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from an altitude observation on the sun for azimuth, supplemented by other numerous solar observations and augmented by use of the solar attachment, which was periodically checked on a meridian established by Polaris observations.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true methods, but for simplification of the record, the random lines are omitted from these field notes. In accordance with the intent of the special instructions, all subdivisional corners established were calculated to be at the positions they would occupy if the entire township were to be subdivided.

Measurements were made with Chicago narrow steel tapes, 8 chains in length, graduated every 1/10 link for the first link, every link for the next 99 links, and thereafter at intervals of every 10 links. The tapes were tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope, the vertical angle of each interval was ascertained by two clinometers in good adjustment, and the horizontal equivalents only are entered in this field notes record. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible to chaining were run by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position of the southeast corner of the township is latitude $37^{\circ} 56' 43.6''$ N. and longitude $109^{\circ} 59' 31.9''$ W., as computed from a traverse to U.S.G.S. triangulation station "Sage", located in the southwest corner of sec. 2, T. 33 S., R. 16 E. The magnetic declination was read at a number of stations in the township and the mean of the readings was 15° E.

East Boundary of T. 32 S., R. 17 E.

Beginning at the cor. of Ts. 32 and 33 S., Rs. 17 and 18 E., mkd. by an iron post, $2\frac{1}{2}$ ins. diam., conforming to the record of the 1956 survey.

North, bet. secs. 31 and 36.

Over broken land, through medium timber; desc. 625 ft. over ledgy N. slope.

22.60

Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.; asc. 195 ft. over ledgy SW. slope.

East Boundary of T. 32 S., R. 17 E.

Chains	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd. T32S R17E R18E S36 S31 1956 Asc. 100 ft. along broken W. slope.
51.50	Spur, projects W.; desc. 560 ft. over ledgy N. slope.
70.00	S. rim of Gypsum Canyon, bears S. 80° W. and N. 80° E.; desc. 600 ft. over series of ledges facing N.
79.50	Wash in bottom of Gypsum Canyon, 30 lks. wide, 4 ft. deep, drains W.; asc. 560 ft. over ledges facing S. to top of rim.
80.00	True point for the cor. of secs. 25, 30, 31 and 36 is inaccessible. Land, broken. Soil, sand and exposed sandstone. Timber, medium growth of pinion and juniper, with scattered brush.
	North, bet. secs. 25 and 30. Asc. over ledges facing S.
4.00	N. rim of Gypsum Canyon, bears E. and W., thence over broken land, through scattered timber.
4.66	Point selected for the witness cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut on solid sandstone, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T32S R17E R18E S25 S30 S36 S31 W C 1956 Asc. 70 ft. over broken land.
24.00	Spur, extends S. 70° W.; desc. 120 ft. over NW. slope.
35.00	Small wash, drains W., thence along E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T32S R17E R18E S25 S30 1956 Asc. 75 ft. along broken E. slope.
48.30	Small wash, drains SE.; asc. 160 ft. over SE. slope.

East Boundary of T. 32 S., R. 17 E.

Chains	
54.30	Spur, slopes SE.; desc. 130 ft. over NE. slope.
70.60	Wash, 30 lks. wide, 8 ft. deep, drains SE.; asc. 50 ft. over S. slope.
80.00	Point for the cor. of secs. 19, 24, 25 and 30. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T32S R17E R18E S24 S19 S25 S30 1957 Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.
	North, bet. secs. 19 and 24. Over broken land, through scattered timber; asc. 70 ft. over S. slope.
6.30	Top of sandstone knob, continue along broken E. slope.
24.20	Small wash, drains SE.; asc. 40 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. T32S R17E R18E ¼ S24 S19 1957 Asc. 75 ft. over SE. slope.
48.60	Spur, projects E.; asc. 280 ft. over a series of small ledges facing SE.
77.00	Top of small ledges facing S.; asc. 10 ft. over small bench.
80.00	Point for the cor. of secs. 13, 18, 19 and 24. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. T32S R17E R18E S13 S18 S24 S19 1957 Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.

Chains	
	North, bet. secs. 13 and 18.
	Over broken land, through scattered timber; asc. 200 ft. over ledgy S. slope.
9.05	Top of sandstone knob; desc. 400 ft. over steep and ledgy N. slope.
26.00	Base of steep N. slope; desc. 90 ft. over small bench.
36.50	Wash, 30 lks. wide, 16 ft. deep, drains NW.
39.80	Wash, 30 lks. wide, 15 ft. deep, drains W.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18 falls in wash and cannot be perpetuated.
40.40	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 13 and 18.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T32S R17E R18E $\frac{1}{4}$ S13 S18 W C 1957 </div>
	Asc. 205 ft. over broken S. slope..
58.00	Spur, slopes W.; desc. 215 ft. over broken N. slope.
66.50	Base of N. slope, thence over rolling land.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T32S R17E R18E S12 S 7 S13 S18. 1957 </div>
	Land, broken.
	Soil, sand and exposed sandstone.
	Timber, scattered juniper and pinion, with medium cover of brush.
	North, bet. secs. 7 and 12.
	Over rolling land, through scattered timber.
4.60	Wash, 30 lks. wide, 4 ft. deep, drains W.; desc. 10 ft. over rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.
	<div style="text-align: center;"> T32S R17E R18E $\frac{1}{4}$ S12 S 7 1957 </div>

East Boundary of T. 32 S., R. 17 E.

Chains	
	Desc. 15 ft. over rolling land.
80.00	Point for the cor. of secs. 1, 6, 7 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.
	T32S R17E R18E S 1 S 6 S12 S 7 1957
	Land, rolling. Soil, sand and some exposed sandstone. Timber, scattered juniper and pinion, with medium cover of sagebrush.
	North, bet. secs. 1 and 6.
	Over broken land, through scattered timber; asc. 85 ft. over S. slope.
5.60	S. edge of flat topped knoll, bears E. and W., thence over top of knoll.
11.00	N. edge of same knoll, bears E. and W.; desc. 130 ft. over steep N. slope.
20.50	Base of N. slope; desc. 170 ft. over broken W. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6. Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T32S R17E R18E ¼ S 1 S 6 1957
	Desc. 70 ft. over NW. slope.
46.80	Wash, 20 lks. wide, 4 ft. deep, drains N. 80° W.; asc. 50 ft.
54.00	Spur, slopes S. 80° W.; desc. 10 ft. over N. slope.
56.40	Rim, a ledge about 40 ft. high, bears N. 70° E. and S. 70° W.; desc. 140 ft. over ledge and steep talus N. slope.
62.20	Wash, 10 lks. wide, 3 ft. deep, drains S. 80° W.; asc. 180 ft. over broken SW. slope.
80.00	Point for the cor. of Ts. 31 and 32 S., Rs. 17 and 18 E. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T31S R17E R18E S36 S31 S 1 S 6 T32S 1957
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.

North Boundary of T. 32 S., R. 17 E.

Chains

united

From the cor. of Ts. 31 and 32 S., Rs. 17 and 18 E., hereinbefore described.

N. 89° 58' W., bet. secs. 1 and 36.

Over rolling to broken land, through scattered juniper and pinion; asc. 70 ft. over ledge facing SE.

2.40 Spur and top of ledge, slopes S. 60° W.; desc. 160 ft. over W. slope.

24.10 Wash, 10 lks. wide, 2 ft. deep, drains SW.; asc. 130 ft. over ledges on SE. slope.

35.20 Asc. over ledge about 30 ft. high, facing SE.; asc. 10 ft. over slight SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 36 ins. long, 1 in. diam., 4 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R17E

$\frac{1}{4}$ $\frac{S36}{S 1}$
T32S
1956

Desc. 140 ft. over broken ledges on S. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T31S R17E

$\frac{S35}{S 2}$ $\frac{S36}{S 1}$
T32S
1956

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, juniper and pinion, with small grassy flats.

N. 89° 58' W., bet. secs. 2 and 35.

Over rolling and broken land, through scattered timber; asc. 90 ft. over broken E. slope.

19.50 Spur, slopes SW.; desc. 40 ft. over broken S. slope.

40.00 Set an iron post, 36 ins. long, 1 in. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R17E

$\frac{1}{4}$ $\frac{S35}{S 2}$
T32S
1956

Corner is located on spur sloping SW.

Desc. 170 ft. over ledges on W. slope.

North Boundary of T. 32 S., R. 17 E.

Chains	
54.30	Wash, 20 lbs. wide, 3 ft. deep, drains N. 20° W.; asc. 50 ft. over NE. slope.
72.50	Spur, slopes S. 70° E.; asc. 30 ft. over S. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd. <div style="text-align: center;">T31S R17E S34 S35 S 3 S 2 T32S 1956</div> Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.
	N. 89° 58' W., bet. secs. 3 and 34. Over rolling and broken land, through scattered timber; asc. 120 ft. over SE. slope.
8.50	Spur, slopes N. 70° E. from W.; desc. 40 ft. over N. slope of spur.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd. <div style="text-align: center;">T31S R17E ¼ S34 S 3 T32S 1956</div> Desc. 120 ft. over broken land.
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. <div style="text-align: center;">T31S R17E S33 S34 S 4 S 3 T32S 1956</div> Land, rolling. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper and pinion.
	N. 89° 58' W., bet. secs. 4 and 33. Over rolling land, through scattered timber; desc. 280 ft. along broken ledges on S. slope.
32.60	Wash, 10 lbs. wide, 2 ft. deep, drains N. 70° W.; asc. 30 ft. over NE. slope.

North Boundary of T. 32 S., R. 17 E.

Chains	
36.00	Spur, projects N. 60° W.; desc. 70 ft. over SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R17E $\frac{1}{4}$ $\frac{S33}{S 4}$ T32S 1957 Note: the next 116 chs. were surveyed by triangulation, approximate topography scaled from U.S.G.S. topographic maps. Desc. 120 ft. over ledges on broken W. slope.
55.10	E. rim of Cataract Canyon, bears NW. and SW.; desc. about 1400 ft. over high ledges and abrupt talus W. slope to Colorado River in the bottom of Cataract Canyon.
80.00	Point for the cor. of secs. 4, 5, 32 and 33 falls on inaccessible point on E. wall of canyon; corner not monumented. Land, rolling to broken breaks of Cataract Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.
N. 89° 58' W., bet. secs. 5 and 32. Over broken E. wall of Cataract Canyon, through thinly scattered timber.	
16.50	Colorado River in the bottom of Cataract Canyon, about 5 chs. wide, course S. 30° W.; asc. about 1600 ft. over high ledges and abrupt talus NE. slope of Cataract and Waterhole Canyons.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32 falls on inaccessible point on S. wall of Waterhole Canyon, corner not monumented.
72.90	High sandstone point on S. rim of Waterhole Canyon, projects N. about 1 chs.; desc. 100 ft. along broken N. slope of Waterhole Canyon.
80.00	Point for the cor. of secs. 5, 6, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R17E $\frac{S31}{S 6} \frac{S32}{S 5}$ T32S 1956 Land, rough broken breaks of Waterhole and Cataract Canyon. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper and pinion.
N. 89° 58' W., bet. secs. 6 and 31. Through scattered timber; asc. 170 ft. along broken N. slope on the S. wall of Waterhole Canyon.	

North Boundary of T. 32 S., R. 17 E.

Chains

- 28.70 Spur, slopes NW.; desc. 110 ft. over SW. slope.
- 38.30 Small wash, drains NW.; asc. 10 ft. over E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T31S R17E
 $\frac{1}{4}$ $\frac{S31}{S 6}$
T32S
1956
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.; asc. 280 ft. over ledges on NE. slope.
- 72.30 Spur, projects N. about 2 chs.; desc. 40 ft. over NW. slope.
- 77.56 The cor. of Ts. 31 and 32 S., Rs. 16 and 17 E., an iron post, $2\frac{1}{2}$ ins. diam., conforming to the record.
- Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinion.

Portion of the Subdivision, T. 32 S., R. 17 E.

- From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, which is mkd. by an iron post, $2\frac{1}{2}$ ins. diam., conforming to the record of the 1956 survey.
- N. $0^{\circ} 01' W.$, bet. secs. 35 and 36.
- Over rolling land, through dense timber; asc. 10 ft. along E. slope.
- 36.30 Spur, slopes NE.; desc. 45 ft. over NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T32S R17E
 $\frac{1}{4}$
S35|S36
1957
- Desc. 130 ft. over rolling bench.
- 65.80 Top of ledgy N. slope; desc. 325 ft.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T32S R17E
S26|S25
S35|S36
1957
- Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, dense to scattered juniper and pinion, with scattered undergrowth.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains	
	<p>From the true point for the cor. of secs. 25, 30, 31 and 36, hereinbefore described.</p> <p>N. 89° 59' W., bet. secs. 25 and 36.</p> <p>Over broken N. wall of Gypsum Canyon; desc. 80 ft. along ledges facing S.</p>
11.00	Wash in bottom of Gypsum Canyon, drains N. 60° W.; asc. 800 ft. over steep NE. slope and ledges facing NE.
30.00	Top of S. rim of Gypsum Canyon, bears NW. and SE.; asc. 90 ft. over broken bench sloping N.
39.86	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T32S R17E</p> <p>$\frac{1}{4}$ $\frac{S25}{S36}$</p> <p>1956</p> </div> <p>Asc. 40 ft. over broken bench.</p>
49.00	Base of ledgy NE. slope; asc. 220 ft.
56.66	Top of ascent on point extending N.; desc. 25 ft. over point projecting N.
62.00	W. edge of point; desc. 240 ft. over NW. slope.
76.00	Small wash, drains NE.; asc. 70 ft. over E. slope.
79.72	<p>The cor. of secs. 25, 26, 35 and 36.</p> <p>Land; broken.</p> <p>Soil, sand and exposed sandstone.</p> <p>Timber, scattered juniper and pinion.</p>
	<p>Beginning at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the township, which is mkd. by an iron post, 2½ ins. diam., conforming to the record of the 1956 survey.</p> <p>N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over exposed sandstone surface, through medium dense growth of pinion and cedar trees.</p>
7.00	Wash, drains W.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T32S R17E</p> <p>$\frac{1}{4}$ $\frac{S33}{S34}$</p> <p>1956</p> </div> <p>Asc. 115 ft. over rolling land.</p>
80.00	Point for the cor. of secs. 27, 28, 33 and 34.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a collar of stone, with brass cap mkd.

T32S R17E

S28|S27

S33|S34

1956

Land, broken and rolling.

Soil, sand and exposed sandstone.

Timber, medium growth of pinion and juniper.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling land, through dense timber.

4.70 Slope changes to NW.; desc. 75 ft.

16.00 Escarpment facing NW., bears N. 20° E. and SW.; desc. 180 ft. over ledges on steep NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T32S R17E

¼

S28|S27

1956

Desc. 140 ft. over ledgy NW. slope.

73.90 Top of steep sandstone slope, bears E. and W.; desc. 280 ft. over steep N. slope.

80.00 True point for the cor. of secs. 21, 22, 27 and 28 falls on N. face of ledge, bearing E. and W., and cannot be monumented.

Land, broken.

Soil, sand and exposed sandstone.

Timber, dense growth of juniper and pinion.

N. 0° 02' W., bet. secs. 21 and 22.

Over broken land, through scattered timber; desc. 10 ft. over steep N. slope.

0.56 Point selected for the witness cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T32S R17E

S21|S22

S28|S27

W C

1956

Desc. 170 ft. over ledgy NW. slope.

8.40 Wash, course W.; asc. 40 ft. along W. slope.

29.21 Point selected for the witness ¼ sec. cor. of secs. 21 and 22.

Chase

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on sandstone, and in a mound of stone, ¾ ft. base to top, with brass cap mhd.

T32S R17E

¼

W C

S21½S22

1956

- 29.00 Top of S. rim of Gypsum Canyon, bears N. 20° E. and S. 20° W.; desc. 10-0 ft. over ledges facing NW. into ravine.
- 40.00 True point for the ¼ sec. cor. of secs. 21 and 22 falls on ledges and cannot be monumented.
- 67.00 Wash in bottom of ravine, drains NE.; asc. 160 ft. over ledges facing SE.
- 10.00 True point for the cor. of secs. 15, 16, 21 and 22 falls on ledges of point projecting E. and is inaccessible.
- Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinion on top of ridges.

N. 3° 02' W., bet. secs. 15 and 16.

Over broken wall of Gypsum Canyon; desc. 240 ft. over ledgy NE. slope.

- 9.90 Point selected for the witness cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, ¾ ft. base to top, with brass cap mhd.

T32S R17E

S16½S15

S21½S22

W C

1956

Desc. 250 ft. over broken NE. slope in bottom of Gypsum Canyon.

- 12.00 Wash in bottom of Gypsum Canyon, 1 ch. wide, 5 ft. deep, drains N. 45° W.; asc. 120 ft. over broken SW. slope.

- 40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mhd.

T32S R17E

¼

S16½S15

1956

Continue along broken SW. slope.

- 66.00 Small wash, drains SW.; asc. 400 ft. over broken S. slope.

- 90.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, ¾ ft. base to top, with brass cap mhd.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains

T32S R17E

S 9 | S10

S16 | S15

1956

Land, broken.
Soil, sand and exposed sandstone.
Timber, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken land; asc. 1400 ft. over steep S. slope and ledges facing S. to N. rim of Gypsum Canyon.

22.00 Triangular high point, bears S., 2.00 chs., N. 3.00 chs. and E.; desc. 95 ft. to saddle.

27.00 Saddle; asc. 200 ft. over SE. to E. slope to top of point.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10. falls on top of point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R17E

S 9 | S10

1956

Continue over top of point.

42.70 Top of ledgy NW. slope, bears NE. and SW.; desc. 110 ft.

49.20 Base of NW. slope; desc. 70 ft. over broken bottom of basin, through scattered timber.

69.50 Wash, 20 lks. wide, 3 ft. deep, drains S. 50° W.; asc. 30 ft. along W. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R17E

S 4 | S 3

S 9 | S10

1956

Land, broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinion on higher elevations.

N. 0° 05' W., bet. secs. 3 and 4.

Over broken land, through scattered timber; asc. 50 ft.

11.40 High rim, bears E. and W.; desc. 200 ft. over steep N. slope and ledges facing N., into Imperial Valley.

13.90 Base of same rim; desc. 30 ft. over rolling bottom of Imperial Valley.

21.00 Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 50 ft. over bottom of Imperial Valley.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains

acres

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R17E

S 4 | S 3
1956

Continue over bottom of Imperial Valley.

- 44.60 Base of broken S. slope; asc. 120 ft.
- 50.00 Spur, slopes E.; desc. 150 ft. over broken N. slope.
- 73.40 Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 50 ft. over S. slope.
- 79.88 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the township.
- Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinion at higher elevations.

From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the township, hereinbefore described.

S. 0° 01' E., bet. secs. 1 and 2.

Over bottom of Imperial Valley; desc. 80 ft.

- 26.23 Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 10 ft.
- 39.96 Point for the ¼ sec. cor. of secs. 1 and 2.
- Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T32S R17E

S 2 | S 1
1957

Continue over bottom of Imperial Valley.

- 42.00 Base of steep N. slope, and ledges facing N.; asc. 330 ft.
- 49.50 Top of ledgy N. slope, bears E. and W.; asc. 20 ft. over broken bench.
- 75.00 Base of steep N. slope; asc. 150 ft.
- 79.96 Point for the cor. of secs. 1, 2, 11 and 12.
- Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.

T32S R17E

S 2 | S 1
S 11 | S 12
1957

Land, rolling and mountainous.
Soil, sand and sandstone.
Timber, scattered juniper and pinion.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains	N. 89° 56' W., bet. secs. 2 and 11.
	Desc. 165 ft. along broken N. slope, through medium timber.
27.00	N. slope, changes to rolling land in saddle, thence over rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T32S R17E
	$\frac{1}{4}$ S 2
	S11
	1957
	Asc. 40 ft. over rolling land.
54.00	Slope changes to S.; asc. 40 ft. along S. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T32S R17E
	S 3 S 2
	S10 S11
	1957
	Land, rolling to broken.
	Soil, sand and exposed sandstone.
	Timber, scattered juniper and pinion.
	N. 0° 03' W., bet. secs. 2 and 3.
	Over broken land, through scattered timber; asc. 50 ft. over broken S. slope.
3.60	S. edge of flat topped ridge, bears E. and W.; desc. 40 ft. over top of ridge.
8.10	N. edge of ridge, bears E. and W.; desc. 280 ft. over broken N. slope.
37.80	Top of abrupt N. slope and ledges facing N.; desc. 105 ft. to rolling Imperial Valley.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3 falls on face of steep ledge and cannot be perpetuated.
40.20	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T32S R17E
	$\frac{1}{4}$ S 3 S 2
	W C.
	1957
	Desc. 40 ft. over rolling Imperial Valley.
60.00	Wash, course NE.
70.60	Wash, course E. at base of S. slope; asc. 70 ft.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains		
79.95	The cor. of secs. 2, 3, 34 and 35. Land, broken and rolling. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion on ridges, some bunch grass on bottom of Imperial Valley.	ended)
	From the true point for the cor. of secs. 15, 16, 21 and 22, hereinbefore described. S. 89° 56' W., bet. secs. 16 and 21. Over broken land; asc. about 1400 ft. over W. wall of Gypsum Canyon.	
25.00	Rim of Gypsum Canyon, bears NW. and S.; asc. 130 ft. over broken E. slope.	
29.50	Top of ridge, bears N. 20° W. and S.; desc. 135 ft. over broken W. slope.	
39.45	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. <div style="text-align: center;">T32S R17E W $\frac{1}{4}$ $\frac{S16}{S21}$ C 1957</div>	
	Continue over broken W. slope.	
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21 falls in small drain, course NW., where the monument cannot be perpetuated. Desc. 200 ft. over broken W. slope.	
58.00	Wash, 40 lks. wide, 8 ft. deep, drains NW.; asc. 240 ft. over ledgy NE. slope.	
70.50	Sandstone point, projects NW., 8 chs. to end; desc. 110 ft. over ledgy W. slope.	
75.34	Point selected for the witness cor. of secs. 16, 17, 20 and 21. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd. <div style="text-align: center;">T32S R17E W $\frac{S17}{S20}$ $\frac{S16}{S21}$ C 1957</div>	
	Desc. 120 ft. over ledges facing W.	
80.00	True point for the cor. of secs. 16, 17, 20 and 21 falls on ledges and is inaccessible. Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion, with scattered undergrowth.	00.00 00.01

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains	
	N. Q° 03' W., bet. secs. 16 and 17.
	Along broken E. rim of Colorado River; desc. about 260 ft. along ledgy W. slope.
16.00	S. rim of deep ravine, bears E. and W.; desc. about 500 ft. over ledges facing N.
20.00	Bottom of ravine, drains W.; asc. about 500 ft. over ledges facing S.
26.50	N. rim of ravine, bears E. and W., also S. rim of point projecting W., thence over top of point.
31.34	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T32S R17E $\frac{1}{4}$ W C S17 S16 1957
31.50	N. rim of same point, bears E. and W.; desc. about 1800 ft. to sec. cor.; over steep N. slope and ledges facing N. to mouth of Gypsum Canyon.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17 falls on broken ledges facing N., where the monument cannot be perpetuated.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T32S R17E S 8 S 9 S17 S16 1957
	Corner falls 50 ft. above canyon bottom on steep N. slope.
	Land, broken.
	Soil, sand and exposed sandstone.
	Timber, scattered juniper and piñon on upper rims.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16.
	Over broken bottom of Gypsum Canyon; desc. 600 ft. along broken S. slope.
35.80	Wash in bottom of Gypsum Canyon, 1 ch. wide, 5 ft. deep, drains N. 4.00 chs., thence W.; flowing water at time of survey; asc. 80 ft. over broken N. slope.
40.03	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

Chains

M101010

T32S R17E

 $\frac{1}{2}$ S 9

S16

1957

Asc. 170 ft. over broken NE. slope.

55.50

Spur, slopes N.; desc. 230 ft. over NW. to N. slope.

80.06

The cor. of secs. 8, 9, 16 and 17.

Land, broken.

Soil, sand and exposed sandstone.

Timber, scattered undergrowth, with some tamarack in canyon bottom.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the township, which is mkd. by an iron post, $2\frac{1}{2}$ ins. diam., conforming to the record of the 1956 survey.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Along W. slope of spur projecting S.

12.00

Small wash, drains SW.; asc. 160 ft. along S. slope.

32.00

Spur, slopes SW., thence along a W. slope.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T32S R17E

 $\frac{1}{2}$

S32|S33

1957

Asc. 50 ft. over SW. slope.

45.50

Spur, slopes W.; thence over top of spur.

48.30

Top of steep N. slope, bears E. and W.; desc. 120 ft.

54.00

Base of N. slope; desc. 55 ft. over rolling N. slope, through dense timber.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T32S R17E

S29|S28

S32|S33

1957

Land, broken and rolling.

Soil, sand and exposed sandstone.

Timber, dense to scattered juniper and pinion.

Portion of the Subdivision, T. 32 S., R. 17 E.

Chains	<p>From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township, which is mkd. by an iron post, 2½ ins. diam., conforming to the record of the 1956 survey.</p> <p>N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over broken land, through scattered timber; asc. 40 ft. along W. slope of spur projecting NW.</p> <p>5.00 Spur, projects NW.</p> <p>7.50 Top of S. rim of Bowdie Canyon, bears NW. and SE.; desc. 580 ft. over ledgy NE. slope.</p> <p>30.00 Wash in bottom of Bowdie Canyon, 40 lks. wide, 5 ft. deep, drains NW.; asc. 480 ft. over SW. slope.</p> <p>40.00 True point for the ¼ sec. cor. of secs. 31 and 32 falls on inaccessible ledges; asc. 80 ft. over ledgy S. slope.</p> <p>45.00 Point, projects W. from E., thence over top of point.</p> <p>45.37 Point selected for the witness ¼ sec. cor. of secs. 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <div><p>T32S R17E</p><p>↓</p><p>S31↓S32</p><p>W C</p><p>1957</p></div> <p>Desc. 160 ft. along ledgy W. slope.</p> <p>58.50 Slope changes to NW.; desc. 300 ft.</p> <p>66.50 Wash, drains S. 80° W.; asc. 80 ft. over S. to SW. slope.</p> <p>70.50 Wash, drains SW.; asc. 420 ft. over steep S. slope and ledges facing S.</p> <p>79.50 Top of rim facing S., bears E. and W.</p> <p>80.00 Point for the cor. of secs. 29, 30, 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div><p>T32S R17E</p><p>S30 S29</p><p>S31 S32</p><p>1957</p></div> <p>Land, broken.</p> <p>Soil, sand and exposed sandstone.</p> <p>Timber, very scattered juniper and pinion, with undergrowth in canyon bottom.</p>
13.20	<p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>S. 89° 56' W., bet. secs. 29 and 32.</p> <p>Over rolling land, through dense timber; asc. 25 ft. over SE. slope.</p> <p>Spur, slopes S.; desc. 15 ft. along S. slope.</p>

Portion of the Subdivision, T. 32 S., R. 17 E.

(actual)

Chains	
24.00	Small wash, drains S.; asc. 15 ft. over SE. slope.
33.00	Sandstone outcrop, bears N. and S.; desc. 60 ft. over W. slope.
39.99	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.
	T32S R17E $\frac{1}{4}$ $\frac{S29}{S32}$ 1957
	Desc. 90 ft. over rolling W. slope.
61.00	E. rim of deep ravine, bears N. and S.; desc. 115 ft. over ledges facing W.
67.20	Wash in bottom of ravine, drains SW.; asc. 70 ft. over ledges facing SE.
74.20	W. rim of ravine, bears NE. and SW., thence along S. slope.
79.99	The cor. of secs. 29, 30, 31 and 32.
	Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.

GENERAL DESCRIPTION

The general elevation of T. 32 S., R. 17 E. ranges from a low of approximately 3650 ft. above sea level at the Colorado River on the north boundary of the township to a high of approximately 6550 ft. in the northwest portion of sec. 36.

The land is rough and broken, being mostly sandy and sandstone. There are two main canyons cutting northwest through the township, with the larger known as Gypsum Canyon, which enters the township at the northeast corner of sec. 36 and enters the Colorado River approximately one-half mile northwest of the northwest corner of sec. 16. The smaller, or Bowdie Canyon, enters the township at the southeast corner of sec. 32 and leaves approximately 10 chains south of the $\frac{1}{4}$ sec. corner of secs. 25 and 30 on the west boundary of the township.

The township is covered with a moderate growth of scrub juniper and pinion. There is a jeep trail entering the township approximately 10 chains east of the $\frac{1}{4}$ sec. corner of secs. 3 and 34 on the south boundary and ending approximately 25 chains west of the corner of secs. 27, 28, 33 and 34. The Colorado River enters the township approximately 5 chains west of the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 on the north boundary and leaves near the corner of secs. 5, 6, 31 and 32 on the north boundary. No other seeps or water sources were noted within the township.

FIELD ASSISTANTS

16-53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, We, Donald A. Cannon and Craig P. Sylvester, HEREBY CERTIFY upon honor that
 pursuance of special instructions bearing date of the 12th day of October, 1957
 We
 have surveyed the north and east boundaries and a portion of the subdivision of
Township 32 South, Range 17 East.

of the Salt Lake Meridian, in the State of Utah, which are
 us our
 represented in the foregoing field notes as having been executed by ~~me~~ and under ~~my~~ direction; and that
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

August 23, 1957

Salt Lake City, Utah

Donald A. Cannon
 Donald A. Cannon, Cartographic Surveyor
Craig P. Sylvester
 Craig P. Sylvester, Cartographic Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

 Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

 Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 12th day of October, 1957, I have ~~surveyed~~ supervised the survey of the north and east boundaries and a portion of the subdivision of Township 32 South, Range 17 East.

of the Salt Lake Meridian, in the State of Utah, which ~~are~~ under my supervision represented in the foregoing field notes as having been executed ~~by the said subdivision~~; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

August 23, 1957

Salt Lake City, Utah

Vern E. Lane

Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 13 1958, 1958

The foregoing field notes of the survey of the north and east boundaries and a portion of the subdivision of Township 32 South, Range 17 East, Salt Lake Meridian, Utah,

executed by Donald A. Cannon and Craig P. Sylvester, under the supervision of Vern E. Lane having been critically examined and found correct, are hereby approved.

Carl G. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

THE NORTH BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 32 SOUTH, RANGE 18 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Dell Cazier - Cadastral Surveyor

Donald A. Cannon - Cartographic Survey Aid

under special instructions dated October 12, 1954, which provided

for the surveys included under Group No. 403, approved November 22, 1954

and assignment instructions dated April 22, 1957

Survey commenced May 14, 1957

Survey completed May 29, 1957

INDEX DIAGRAM

Township 32 South, Range 18 East

5 6	5 5	4 4	3 11 3	2 11 2	2 13 1
7	8	9	14 10 10	12 11	12
18	17	16 15 16	9 15	14	18
19	20	14 21	9 22	28	24
30	29	28	8 27	26	25
31	18 17 33	16 33	7 34	35	7 6 36

Dell Cazier _____

Donald A. Cannon _____

16-56770-1

2342

Township 32 South, Range 18 East

Chains

The east boundary was surveyed by C. P. Sylvester and its record appears in the field notes of the 1956 survey of T. 32 S., R. 19 E. The west bdy. was surveyed by C.P. Sylvester & D.A. Cannon in 1956-57, and its record appears in the field notes of the survey of T. 32 S., R. 17 E. The south boundary was concurrently surveyed in 1957 by Dell Cazier under Group 403, and the record appears in the field notes of the survey of T. 33 S., R. 18 E.

The following field notes are those of the survey of the north boundary and a portion of the subdivision of T. 32 S., R. 18 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

This survey was executed with two W. and L.E. Gurley transits, serial No. 541326 and serial No. 541331, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in precise adjustment prior to the beginning of the survey and were maintained in good adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; the field notes show horizontal equivalents only. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distance to topography on lines run by traverse or triangulation are approx. as scaled from U.S.G.S. topographic sheets. The details of such triangulations and traverses have been thoroughly checked and verified and in order to simplify the record, the diagrams and reductions are omitted from the field notes.

The direction of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation and supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the SE. cor. of T. 32 S., R. 18 E. is at latitude $37^{\circ} 56' 43.2''$ N. and longitude $109^{\circ} 52' 54.6''$ W., as determined by traverse from U.S.G.S. triangulation station "House", situated in sec. 1.

The magnetic declination was read at a number of stations throughout the township, and the average of these several readings was found to be 15° E.

North Boundary of T. 32 S., R. 18 E.

Chains

6440

Beginning at the cor. of Ts. 31 and 32 S., Rs. 18 and 19 E., monument-
ed by an iron post, 2½ ins. diam., set, mkd. and witnessed as des-
cribed in the official record.

West, bet. secs. 1 and 36.

Over broken sandstone land, through scattered to medium dense timber,
asc. 200 ft. over broken E. slope.

40.00

Point for the ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground
to bedrock, and in a mound of stone, 2½ ft. base to top, with brass
cap mkd.

T31S R18E

½ S36
S 1

T32S

1957

Asc. 340 ft. over ledges facing E.

56.10

E. rim of large sandstone butte, a ledge about 60 ft. high, bears
NE. and S. 80° W.; asc. 180 ft. over top of butte on SE. slope.

70.40

Top of ascent on sandstone butte, slopes NE.; continue along rolling
N. slope.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground
to bedrock, and in a mound of stone, 3 ft. base to top, with brass
cap mkd.

T31S R18E

S35|S36
S 2|S 1

T32S

1957

Land, rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered to medium dense juniper and pinion.

West, bet. secs. 2 and 35.

Over rolling N. slope of large sandstone butte, through scattered
timber.

6.90

Top of ascent on N. slope of top of butte, bears N. and S.; desc.
100 ft. over NW. slope.

21.20

W. rim of large butte, a ledge about 100 ft. high, bears NE. and SW.;
desc. 410 ft. over high ledges and steep talus on NW. slope.

37.80

Wash, 10 lks. wide, 1 ft. deep, drains N. 70° W. from N. 60° E.; asc.
10 ft. over NE. slope.

40.00

Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground,
and in a mound of stone, 2 ft. base to top, with brass cap mkd.

North Boundary of T. 32 S., R. 18 E.

Chains	
	<p>T31S R18E $\begin{array}{r} S35 \\ S\ 2 \end{array}$ T32S 1957</p>
	Asc. 110 ft. over ledges on NE. slope.
61.90	Ridge, bears NW. and SE.; desc. 170 ft. over ledges on broken S. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<p>T31S R18E $\begin{array}{r} S34\ S35 \\ S\ 3\ S\ 2 \end{array}$ T32S 1957</p>
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.
	West, bet. secs. 3 and 34,
	Over rolling land, through scattered to medium dense timber; desc. 50 ft. along S. slope.
22.10	Spur, slopes S. 60° W.; desc. 110 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.
	<p>T31S R18E $\begin{array}{r} S34 \\ S\ 3 \end{array}$ T32S 1957</p>
	Desc. 20 ft. over NW. slope.
43.90	Wash, 20 lks. wide, 3 ft. deep, drains SW.; asc. 20 ft. over SE. slope.
51.90	Spur, slopes SW. about 5 chs. to end; desc. 40 ft. over SW. slope.
62.50	Road, unimproved, Beef Basin-Cross Canyon, bears NW. and SE.; desc. 40 ft. over SW. slope.
79.20	Wash, 10 lks. wide, 5 ft. deep, drains N. 60° W.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<p>T31S R18E $\begin{array}{r} S33\ S34 \\ S\ 4\ S\ 3 \end{array}$ T32S 1957</p>

Chains	
	Land, rolling. Soil, sand and exposed sandstone. Timber, scattered to medium dense juniper and pinion.
	West, bet. secs. 4 and 33.
	Through scattered timber; asc. 10 ft. over NE. slope.
3.40	Low spur, projects N. 20° W.; desc. 10 ft. over W. slope.
11.00	W. rim of Cross Canyon, a ledge about 80 ft. high, bears N. about 6 chs., thence W. and SE.; desc. 280 ft. over ledges on broken W. slope.
19.30	Wash, 10 lks. wide, 3 ft. deep, drains S. 80° W., about 15 chs. to junction with wash in the bottom of Cross Canyon; desc. 20 ft. over S. slope.
32.10	Wash, 10 lks. wide, 4 ft. deep, drains S. 20° W., about 5 chs. to junction with wash in the bottom of Cross Canyon; asc. 20 ft. over SE. slope.
36.40	Top of ascent, slopes S.; desc. 40 ft. over SW. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 4 and 33. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R18E $\frac{1}{2}$ $\frac{S33}{S4}$ T32S 1957 Desc. 50 ft. over W. slope.
46.30	Wash, bottom of Cross Canyon, 30 lks. wide, 10 ft. deep, drains N. 30° W.; asc. 230 ft. over ledges on E. slope.
53.70	W. rim of Cross Canyon, a ledge about 60 ft. high, bears N. 10° W. and S. 10° W.; asc. 70 ft. along N. slope.
72.40	Top of ascent, slopes N.; desc. 60 ft. along N. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 2 $\frac{1}{2}$ ft. base to top, with brass cap mkd. T31S R18E $\frac{S32}{S5}$ $\frac{S33}{S4}$ T32S 1957 Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.

North Boundary of T. 32 S., R. 18 E.

Chains	West, bet. secs. 5 and 32.
	Asc. 50 ft. along W. to NE. slope, through scattered timber.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
	T31S R18E $\frac{S32}{85}$ T32S 1957
	Asc. 50 ft. along NE. slope.
51.90	Ridge, bears NE. and SW.; desc. 50 ft. over W. slope.
61.70	S. rim of Imperial Valley, a ledge about 40 ft. high, bears N. 20° E. and S. 70° W.; desc. 140 ft. over ledge and steep talus NW. slope.
75.60	Base of steep descent, bears NE. and S. 70° W.; desc. 30 ft. over slight NW. slope.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
	T31S R18E $\frac{S31}{S6}$ $\frac{S32}{S5}$ T32S 1957
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.
	West, bet. secs. 6 and 31.
	Over almost level grassy bottom of Imperial Valley; desc. 10 ft.
18.20	Road, unimproved, Imperial Valley-Cross Canyon, bears N. 70° E. and S. 70° W.; desc. 10 ft.
32.30	Base of abrupt ascent, bears NE. and S. 60° W.; asc. 80 ft. over ledges facing SE.
37.30	Ridge, bears NE. and SW.; desc. 10 ft. over NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T31S R18E $\frac{S31}{S6}$ T32S 1957

North Boundary of T. 32 S., R. 18 E.

(continued)

Chains	
	Desc. 30 ft. over NW. slope.
48.50	Center of flat drain, course SW.; asc. 40 ft. over SE. slope.
49.60	Spur, slopes S. 60° W.; desc. 70 ft. over NW. slope.
60.20	Base of descent, slopes N.; asc. 40 ft. over NE. slope.
67.10	Road, unimproved, Imperial Valley-Cross Canyon, bears N. 20° W. and SE.; asc. 140 ft. over ledges facing E.
78.10	Top of steep ascent, bears N. and S. irregularly; desc. 10 ft. over NW. slope.
82.79	The cor. of Ts. 31 and 32 S., Rs. 17 and 18 E., monumented by an iron post, set, mkd. and witnessed as described in the official record.

Portion of the Subdivision, T. 32 S., R. 18 E.

Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy., which is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 33 S., R. 18 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over nearly level land, through scattered juniper and pinion.

7.70	Jeep trail, bears SW. and N. 60° E.
16.50	Wash, 1.50 chs. wide, 2 ft. deep, drains NW.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T32S R18E ½ S35 S36 1957
	Asc. 40 ft. over S. slope of spur.
42.80	Sandstone spur, sloping SW.; desc. 40 ft. over N. slope.
44.20	Three strand barbed wire fence, bears E. and W.
54.00	Three strand wire corral, 1.50 chs. diam.
54.50	Wash, 50 lks. wide, 1 ft. deep, drains SW.; asc. 100 ft. over SE. slope. Wash drains through corral.
75.85	Spur, sloping SW.; desc. 15 ft. over N. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R18E
S26|S25
S35|S36
1957

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains

Land, S. $\frac{1}{2}$ nearly level; N. $\frac{1}{2}$ rolling.
Soil, deep sandy.
Timber, scattered pinion and juniper.
Undergrowth, moderate sagebrush.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy., which is mkd. by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 32 S., R. 19 E.

N. 89° 59' W., bet. secs. 25 and 36.

Over rolling land, through scattered juniper and pinion.

Desc. 30 ft. over W. slope.

3.90 Jeep road, bears NW. and SE.

8.10 Jeep road, bears W and S.

8.90 Wash, 30 lks. wide, 1 $\frac{1}{2}$ ft. deep, drains SW.; asc. 100 ft. over E. slope.

39.94 True point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36 falls on E. edge of broken ledge, 5 ft. high, bears N. and S., where it is impractical to set the monument.

40.10 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on solid sandstone, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R18E

$\frac{1}{4}$ $\frac{S25}{S36}$ W
C
1957

41.00 Top of ascent on spur, sloping N.; desc. 30 ft. over W. slope.

50.00 Wash, near head, drains SW.; asc. 80 ft. over S. slope.

65.50 Sandstone spur, sloping SW.; desc. 90 ft. over W. slope.

79.88 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.
Soil, deep sandy.
Timber, scattered pinion and juniper.
Undergrowth, dense sagebrush.

Beginning at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the township, which is mkd. by an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 33 S., R. 18 E.

N. 0° 02' W., bet. secs. 33 and 34.

Over nearly level mesa top.

4.30 N. rim of mesa, by triangulation desc. about 250 ft. over N. facing ledges.

20.10 Track road, bears E. and W., over nearly level land.

[illegible]

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains

T32S R18E

S21|S22

S28|S27

1957

Deposit a sandstone, 6x8x2 ins., mkd. with a cross (X), alongside the post.

Land, rolling.

Soil, deep, sandy.

Timber, thinly scattered juniper and pinion.

Undergrowth, dense sagebrush.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling land, through patches of pinion and juniper.

23.00 Jeep road, bears NE. and SW.

31.70 Same road, bears NW. and SE.

40.00 Point for the $\frac{1}{4}$ sec. cor., of secs. 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T32S R18E

$\frac{1}{4}$

S21|S22

1957

Deposit a sandstone, 6x6x2 ins., mkd. with a cross (X) alongside the post.

Over series of sandstone spurs, sloping W.

69.00 Wash, drains W.; asc. 100 ft. over S. slope.

79.00 Sandstone spur, sloping W.; desc. 20 ft. to sec. cor.

80.00 Point for the sec. cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T32S R18E

S16|S15

S21|S22

1957

Land, S. $\frac{1}{2}$ rolling, N. $\frac{1}{2}$ series of sandstone spurs.

Soil, sandy.

Timber, scattered juniper and pinion.

Undergrowth, scattered artemesia.

N. 0° 02' W., bet. secs. 15 and 16.

Over broken land, through patches of pinion and juniper.

6.00 Jeep road, bears E. and W.

12.65 Wash, near head, drains SW.; asc. 90 ft. over S. slope.

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains

cont'd)

- 26.00 Spur, sloping W.; desc. 50 ft. over N. slope.
- 32.00 Wash, near head, drains W. to SW.; asc. 30 ft. to $\frac{1}{4}$ sec. cor.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
T32S R18E
 $\frac{1}{4}$
S16|S15
1957
- Asc. 50 ft. over S. slope.
- 46.00 Spur, sloping W.; desc. 100 ft. over N. facing broken ledges.
- 75.15 Wash, 20 lks. wide, 1 ft. deep, drains W.; desc. 60 ft. along W. slope.
- 80.00 Point for the sec. cor. of secs. 9, 10, 15 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
T32S R18E
S 9|S10
S16|S15
1957
- Land, broken.
Soil, sandy, with large areas of exposed sandstone.
Timber, pinion and juniper, scattered throughout mile, with a moderate growth along drainage and ridge tops.
Undergrowth, scattered artemesia.
-
- N. $0^{\circ} 02'$ W., bet. secs. 9 and 10.
Over rolling land, through scattered pinion and juniper.
- 6.80 Wash, 20 lks. wide, 1 ft. deep, drains W.
- 12.30 Jeep road, bears NW. and SE., turns N. from NW. at approx. 1.00 ch.
- 13.60 Same road, bears NE. and SW.
- 27.60 Wash, 20 lks. wide, 2 ft. deep, drains NW.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
T32S R18E
 $\frac{1}{4}$
S 9|S10
1957
- Deposit a sandstone, 6x6x2 ins., mkd. with a cross (X) alongside the post.
- 43.90 Enter wash, 50 lks. wide, $1\frac{1}{2}$ ft. deep, drains N. from SW.; cont. along bottom of wash.

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains	
54.60	Leave wash, drains N. 30° E.; desc. 30 ft. over NE. slope.
62.50	Recross wash, drains W.; asc. 20 ft.
65.20	Spur, projecting W.; desc. 40 ft. along W. slope.
80.00	Point for the sec. cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T32S R18E S 4 S 3 S 9 S10 1957 </div>
	Land, rolling. Soil, deep sandy. Timber, scattered pinion and juniper. Undergrowth, heavy growth of sagebrush.
	N. 0° 18' W., bet. secs. 3 and 4.
	Over series of spurs, projecting W.
5.65	Top of narrow butte, bears E. and W.; thence by triangulation desc. 80 ft.
10.40	Wash, 30 lks. wide, 3 ft. deep, drains W.
19.20	Wash, drains W.; asc. about 80 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> T32S R18E ¼ S 4 S 3 1957 </div>
40.70	Wash, 30 lks. wide, 2 ft. deep, drains S. 80° W.
45.85	End of triangulation; desc. 30 ft. over broken N. facing ledges.
58.20	Wash, 20 lks. wide, 1 ft. deep, drains W.; asc. 65 ft. over broken S. facing ledges.
63.00	Spur, projecting E.; desc. 80 ft. over NE. slope.
80.36	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township.
	Land, series of spurs. Soil, sandy. Timber, scattered pinion and juniper, Undergrowth, scattered artemesia.
	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the township.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over rolling land, through scattered timber; desc. 100 ft. over rocky S. slope.

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains	
21.90	Wash, 20 lks. wide, 3 ft. deep, drains S. 80° W.; asc. 20 ft. over slight N. slope.
31.60	Unimproved road, Beef Basin-Cross Canyon, bears N. 70° W. and S. 70° E.; desc. 10 ft.
37.00	Wash, 30 lks. wide, 10 ft. deep, drains N. 80° W.; asc. 40 ft. over N. slope.
40.25	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T32S R18E S 3 S 2 1957
40.40	Spur, slopes N. 60° E., about 1 ch. to end; desc. 30 ft. over SE. slope.
44.50	Center of flat drain, course NE.; asc. 140 ft. over ledges on NE. slope.
56.00	Slope changes to NW.
60.50	Spur, slopes SW.; desc. 100 ft. along rolling W. slope.
80.25	Point for the cor. of secs. 2, 3, 10 and 11. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd. T32S R18E S 3 S 2 S10 S11 1957 Land, rolling. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion, interspaced with grassy flats.
27.20	N: 89° 55' E., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10, as specified in the special instructions. Through scattered timber; asc. 60 ft. over W. slope.
40.00	Unimproved road, Beef Basin-Cross Canyon, bears N. 20° W. and S. 20° E.; asc. 40 ft. over W. slope.
41.59	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11 falls on ledge, 20 ft. high, facing SW., where the cor. cannot be monumented. Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T32S R18E $\frac{1}{4}$ W S 2 C S11 1957

Part of the subdivision T. 32 S., R. 18 E.

Chains	
41.70	Spur, slopes S.; desc. 40 ft. over SE. slope.
49.50	Drain, course S. 20° W.; asc. 80 ft. over SW. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd. T32S R18E S 2 S 1 S11 S12 1957
	Land, rolling. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion, interspaced with grassy flats.
	N. 0° 05' W., bet. secs. 1 and 2. Over N. slope, through scattered timber; asc. 20 ft.
8.20	Base of abrupt ascent, bears N. 20° W. and SE.; asc. 320 ft. over ledges on SW. slope.
27.60	High broken sandstone ridge, bears N. 10° W. and SE.; desc. 10 ft. over NE. slope.
32.17	Point selected for the witness ¼ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd. T32S R18E ¼ W C S 2 S 1 1957
	from which U.S.G.S. triangulation station "House" bears S. 49° 20' E., 41.93 chs. dist. Geographic position of this station is latitude 38° 01' 07.107" N. and longitude 109° 53' 34.368" W. Desc. 200 ft. over almost impassable ledges, facing E.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2 falls on inaccessible point of ledges, facing E., where the cor. cannot be monumented.
48.10	Ravine, drains sharply E.; asc. 250 ft. over ledges on SE. slope.
55.60	Top of narrow sandstone butte, bears NE. and SW., about 5 chs. to end; desc. 150 ft. over ledges on NW. slope.
62.00	Saddle in ridge, slopes N. 60° E. and S. 60° W.; asc. 140 ft. over ledges on SE. slope.
72.40	S. rim of large sandstone butte, a ledge about 30 ft. high, bears NE. and SW.; desc. 20 ft. over N. slope.
80.00	The cor. of secs. 1, 2, 35 and 36. Land, rough and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains		ended
	From the cor. of secs. 2, 3, 10 and 11.	CV. 18
	S. 89° 58' W., bet. secs. 3 and 10.	CV. 18
	Over rolling land.	CV. 18
	Desc. 80 ft., along N. slope.	
35.80	Wash, 10 lks. wide, 2 ft. deep, drains N. 20° W.; asc. 40 ft. over NE. slope.	
39.79	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.	
	T32S R18E $\frac{1}{4}$ $\frac{S 3}{S10}$ 1957	
40.00	Spur, slopes N. 60° W.; desc. 130 ft. over irregular W. slope.	
79.58	The cor. of secs. 3, 4, 9 and 10.	
	Land, rolling. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.	
	From the cor. of secs. 15, 16, 21 and 22, which is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 32 S., R. 18 E.	
	N. 89° 58' W., bet. secs. 16 and 21.	
	Along N. side of spur, sloping W., through moderate pinion and juniper.	
3.70	By triangulation,	
	Desc. about 240 ft. over broken W. facing ledges.	
28.00	Wash, 1.00 ch. wide, 3 ft. deep, drains SW.; asc. about 100 ft. over SE. facing broken ledges.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.	
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	T32S R18E $\frac{1}{4}$ $\frac{S16}{S21}$ 1957	
41.70	End of triangulation; desc. 100 ft. over W. facing broken ledges.	
49.40	Wash, 20 lks. wide, 1 ft. deep, drains S. to SE.; asc. 60 ft. over E. facing broken ledges.	
60.30	Spur, sloping S. to SW.; desc. 80 ft. over W. facing broken ledges.	
74.70	Wash, 1.50 chs. wide, 3 ft. deep, drains S. to SE.	
80.00	Point for the cor. of secs. 16, 17, 20 and 21.	

Section of the Subdivision, T. 32 S., R. 18 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T32S R18E

S17|S16

S20|S21

1957

Deposit a sandstone, 6x4x2 ins., mkd. with a cross (X) alongside the post.

Land, broken.

Soil, sandy silt with exposed sandstone.

Timber, moderate dwarf juniper and pinion.

Undergrowth, black brush, mountain rush and cacti.

From the cor. of secs. 16, 17, 20 and 21.

N. 0° 03' W., bet. secs. 16 and 17.

Over broken ledges, through moderate dense juniper and pinion.

2.30 Wash, 30 lks. wide, 1 ft. deep, drains irregularly SE.; asc. 80 ft.

16.90 By triangulation.

22.50 Wash, 1.00 ch. wide, 3 ft. deep, drains SW.; asc. over S. facing broken ledges, along wash draining irregularly S.

40.00 True point for the ¼ sec. cor. of secs. 16 and 17 falls in wash, near head, drains SW. about 1 ch., thence S., where the monument cannot be perpetuated.

46.00 Point selected for the witness ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T32S R18E

¼
S17|S16

W C

1957

Over nearly vertical S. facing ledges; asc. about 280 ft.

55.20 End of triangulation; over mesa top, through moderate pinion and juniper; asc. 20 ft.

62.50 Top of ascent, bears N. 80° W. and S. 80° E.; desc. 140 ft. over N. slope.

77.50 N. base of mesa; desc. 10 ft. over N. facing broken ledges.

80.00 Point for the cor. of secs. 9, 10, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T32S R18E

S 8|S 9

S17|S16

1957

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains		
	Land, S. $\frac{1}{2}$ broken, N. $\frac{1}{2}$ rolling. Soil, sandy. Timber, scattered pinion and juniper. Undergrowth, scattered sagebrush.	
	From the cor. of secs. 9, 10, 15 and 16. S. $89^{\circ} 59' W.$, bet. secs. 9 and 16. Over rolling land.	
5.55	Wash, 20 lks. wide, 1 ft. deep, drains NW.; asc. 75 ft.	
9.00	Wash, 50 lks. wide, 2 ft. deep, drains NE.	
23.50	Wash, 20 lks. wide, 1 ft. deep, drains NE.	
32.30	Enter moderate juniper and pinion, bears NE. and SW.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. T32S R18E $\frac{1}{4}$ $\frac{S 9}{S 16}$ 1957	
	Deposit a sandstone, 6x6x2 ins., mkd. with a cross (X) alongside the post.	
43.25	Jeep road, bears NE. and SW.; asc. 50 ft.	
67.50	Wash, 20 lks. wide, 1 ft. deep, drains NE.	
72.50	Jeep road, bears NW. and SE.	
80.00	The cor. of secs. 8, 9, 16 and 17. Land, rolling. Soil, deep snady. Timber, W. portion moderate juniper and pinion, E. portion none. Undergrowth, E. portion dense sagebrush, W. portion scattered artemisia.	
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy., which is mkd. by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field record of the survey of the S. bdy., T. 33 S., R. 18 E. N. $0^{\circ} 03' W.$, bet. secs. 32 and 33. Over broken land, through moderate juniper and pinion; asc. 200 ft. over precipitous SE. slope.	
8.40	S. rim of small butte, bears NE. and SW.	
11.70	N. rim of small butte, bears S. $75^{\circ} E.$ and NW.; desc. abruptly about 420 ft. over steep NE. slope; by triangulation.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.	

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains

T32S R18E

S32|S33

1957

43.60 End of triangulation.

48.80 Small wash, drains NE., over nearly level sagebrush flat.

69.90 Trail, bears irregularly E. and W.

78.40 Wash, 1 ch. wide, 3 ft. deep, drains W., about 3 chs., thence NW.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T32S R18E

S29|S28

S32|S33

1957

Deposit a sandstone, 6x8x2 ins., alongside the post.

Land, S. $\frac{1}{2}$ broken, N. portion rolling.

Soil, sandy.

Timber, moderate juniper and pinion.

Undergrowth, dense sagebrush.

From the cor. of secs. 29, 30, 31 and 32 on the S. bdy., which is mkd. by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 33 S., R. 18 E.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over nearly level mesa top, through dense juniper and pinion.

8.50 N. rim of mesa; by triangulation desc. about 520 ft. over N. facing broken ledges.

20.00 Slope changes to NW.

35.00 Wash, near head, drains NW.; asc. 80 ft.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 32 falls on nearly vertical W. facing ledges, where it is impractical to set the monument.

45.30 Trail, bears generally E. and W.

48.60 Wash, drains W.; asc. about 60 ft. over SW. slope.

52.00 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T32S R18E

S31|S32

W.C.

1957

Asc. 120 ft. along W. facing broken ledges.

56.00 Spur, sloping W.; desc. 120 ft.; end of triangulation.

Portion of the Subdivision, T. 32 S., R. 18 E.

Chains	
69.50	Wash, 50 lks. wide, 2 ft. deep, drains W.; asc. 200 ft. over SW. facing broken ledges.
80.00	True point for the cor. of secs. 29, 30, 31 and 32 falls on face of nearly vertical ledge, facing SW., where it is impractical to set the monument.
81.00	Point selected for the witness cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., on surface sandstone, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd. <div style="text-align: center;"> T32S R18E S30 S29 S31 S32 W C. 1957 </div> Land, broken. Soil, sandy. Timber, scattered juniper and pinion. Undergrowth, scattered artemesia.
	<p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>N. 89° 59' W., bet. secs. 29 and 32.</p> <p>Over rolling land, through dense sagebrush.</p> <p>By triangulation.</p>
8.60	Wash, 1 ch. wide, 3 ft. deep, drains NW.; asc. 90 ft.
15.00	Spur, sloping NW.; desc. 80 ft.
18.50	Wash, 1 ch. wide, 2 ft. deep, drains N.; asc. 100 ft.
40.05	Point for the ¼ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 2½ ft. base to top, with brass cap mkd. <div style="text-align: center;"> T32S R18E ¼ S29 S32 1957 </div> Land becomes broken; asc. 100 ft. over NE. facing broken ledges.
59.30	End of triangulation on spur, sloping NE.; desc. 195 ft. over NW. facing broken ledges.
67.00	End of descent; asc. 80 ft. over NE. facing broken ledges.
76.00	Knob on spur, bears NW. and SE.; desc. 80 ft. over SW. facing broken ledges.
80.10	The true point for the cor. of secs. 29, 30, 31 and 32. Land, E. ½ rolling, W. ½ broken. Soil, deep sandy E. ½, W. ½ exposed sandstone. Timber, thinly scattered juniper and pinion. Undergrowth, E. ½ dense sagebrush, W. ½ scattered artemesia.

Township 32 South, Range 18 East

Chains

GENERAL DESCRIPTION

The northern portion of T. 32 S., R. 18 E. is rolling for the most part. The southern portion and sec. 1 have been cut by canyons and the land is rough and broken. The elevation ranges from 5883 ft. above sea level in the bottom of the canyons to a maximum of 7080 ft. in sec. 1. The township is drained by several canyons. Gypsum Canyon heads in the SE. corner of the township and drains NW., leaving the township on the W. bdy. in the vicinity of the cor. of secs. 25, 30, 31 and 36. Cross Canyon heads in the area of sec. 9 and drains N., leaving the township at the N. bdy. in the vicinity of the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

The soil of T. 32 S., R. 18 E. is for the most part residual sandy silt, and produces a moderate growth of juniper and pinion with an undergrowth of sagebrush, mountain rush, silverleaf and a fair growth of grama grass.

There are two dirt roads entering the township. The first road enters the township on the E. bdy. near the cor. of secs. 7, 12, 13 and 18 and bears N. to NW., approx. $1\frac{1}{2}$ miles to a fork. The left fork bears W. to SW., approx. $\frac{1}{2}$ mile; the right fork bears N. and NW., leaving the township on the N. bdy. near the $\frac{1}{4}$ sec. cor. of secs. 3 and 34. The second road enters the township on the E. bdy., near the $\frac{1}{4}$ sec. cor. of secs. 25 and 30 and bears S. 5° W., approx. 10 chs. to a fork; the right fork bears NW., approx. 3 miles to a second junction near the $\frac{1}{4}$ sec. cor. of secs. 21 and 22. The right fork bears N. roughly paralleling the third meridional line. The left fork bears S. to a point near the middle of sec. 33, thence SE. to a point near the cor. of secs. 2, 3, 34 and 35 on the S. bdy., where the bearing changes to an E. bearing and the road roughly parallels the S. bdy. to a junction near the cor. of secs. 1, 2, 35 and 36. The right fork leaves the township and bears S. into Ruin Canyon. The left fork bears N. 45° E. to a point approx. 10 chs. S. of the cor. of secs. 25, 30, 31 and 36 on the E. bdy., thence N. connecting with the second road at the junction near the $\frac{1}{4}$ sec. cor. of secs. 25 and 30 on the E. bdy.

There are two good springs located in sec. 36.

The only use of the land is in the grazing of cattle.

CERTIFICATE OF CADASTRAL ENGINEER

WE, Donald A. Cannon and Dell Cazier, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 12th day of October,
~~we~~ have surveyed the north boundary and a portion of the subdivision of Township
South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which is
represented in the foregoing field notes as having been executed by ~~us~~ and under ~~our~~ ^{our} direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

March 11, 1958
Salt Lake City, Utah

Donald A. Cannon
Donald A. Cannon - Cartographic Surveyor
Dell Cazier
Dell Cazier - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____
executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

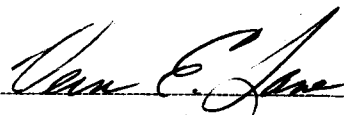
I, Vern E. Lane, ~~HEREBY CERTIFY~~ upon honor the
pursuance of special instructions bearing date of the 12th day of October, 1958

I have ~~examined~~ supervised the survey of the north boundary and a portion of the
subdivision of Township 32 South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision;
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

March 11, 1958

Salt Lake City, Utah



Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 13 1958, 1958

The foregoing field notes of the survey of the north boundary and a portion of the
subdivision of Township 32 South, Range 18 East, Salt Lake Meridian, Utah

executed by Donald A. Cannon and Dell Cazier, under the supervision of Vern E. Lane
having been critically examined and found correct, are hereby approved.



Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~
~~_____ is a true copy of the original field notes.~~

Cadastral Engineering Staff Officer

4-573
(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE SURVEY OF THE

SOUTH, WEST, EAST, AND NORTH BOUNDARIES,

AND

A PORTION OF THE SUBDIVISIONAL LINES OF

TOWNSHIP 32 SOUTH, RANGE 19 EAST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor, Chief of Party

Donald A. Cannon, Cartographic Survey Aid

Craig P. Sylvester, Cartographic Survey Aid

Under special instructions dated October 12, 1954, which provided
for the surveys included under Group No. 403, approved November 22, 1954
and assignment instructions dated August 2, 1956

Survey commenced August 3, 1956

Survey completed August 27, 1956

INDEX DIAGRAM

Township 32 South, Range 19 East

9	18 6	17 5	17 4	16 24 8	15 24 2 25 25	15 1 14
8	7	8	9	23 10	11	12 13
8	18	17	27 27 16 26	22 15	14	13 12
7	19	20	21	21 22	23	24 11
6	30	29	28	20 27	26	25 11
5	31 31 5	30 29 32 4	29 28 33 3	20 34 3	35 2	19 19 36 10 1

The South, West, East, and North Boundaries, and
Portion of the Subdivision, T. 32 S., R. 19 E.

Chains

The following field notes are those of the survey of the south bdy., the west bdy., the east bdy., the north bdy., and a portion of the subdivisional lines of T. 32 S., R. 19 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley solar transit number 541331, and Buff & Buff solar transit number 26066, constructed in accordance with standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. They were tested and checked frequently during the progress of the survey.

The direction of all lines being reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for the simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with a steel tape, eight chains in length. This tape is graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by use of clinometers, and the slope distances properly reduced to horizontal equivalents. All lines were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or by triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude $37^{\circ} 56' 44''$ North, longitude $109^{\circ} 46' 23''$ West, as scaled from U. S. G. S. topographic map.

The magnetic declination was read at a number of stations throughout the Tp. and the average of the several readings was found to be $15^{\circ} 00'$ East.

South Boundary, T. 32 S., R. 19 E.

Beginning at the cor. of Ts. 32 and 33 S., Rs. 19 and 20 E., monumented by an iron post, 3 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 33 S., R. 20 E.

West, bet. secs. 1 and 36.

Over rough and broken land, through dense timber; asc. 280 ft. over SE. slope.

16.90

N. rim of small canyon, bears NE. and SW.; asc. 50 ft. over gentle SE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Chains

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S36
S 1
1956

Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of iron post.

Continue over gentle SE. slope; asc. 40 ft.

63.80 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° E.; asc. 20 ft.

68.10 Bladed road, bears N. 30° E. and S. 40° W.; asc. 100 ft. over E. slope.

80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32SR19E
 $\frac{1}{4}$ S35|S36
S 2|S 1
T33S
1956

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, dense pinion and juniper.

West, bet. secs. 2 and 35.

Over rolling and broken land, through medium-dense timber; asc. 250 ft. over steep SE. slope.

18.00 Top of ascent, slopes S.; desc. 110 ft. over SW. slope.

36.90 Enter sage-brush flat, bears N. and S.; desc. 10 ft. over gentle SW. slope.

39.00 Dim road, bears N. and S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 24 ins. in the ground, and in a collar of stone, with brass cap marked

$\frac{1}{4}$ S35
S 2
1956

Continue over gentle SW. slope; desc. 10 ft.

44.00 Bladed road, bears NW. and SE. about 4 chs., thence S.; desc. 20 ft. over gentle SW. slope.

71.80 Wash, 20 lks. wide, 1 ft. deep, drains S. 60° E.; asc. 50 ft. over SE. slope.

80.00 Point for the cor. of secs. 2, 3, 34, and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

South Boundary, T. 32 S., R. 19 E.

Chains

T32SR19E

S34|S35

S 3 | S 2

T33S

1956

Land, rolling and broken.
Soil, sand.
Timber, medium-dense pinion and juniper.

West, bet. secs. 3 and 34.

Over rolling and broken land, through dense timber; asc. 20 ft. over gentle SE. slope.

20.60 Top of ascent, bears NE. and SW.; desc. 190 ft. over steep NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

S34

S 3

1956

Continue over steep NW. slope; desc. 280 ft.

73.00 Wash, 40 lks. wide, 3 ft. deep, drains N. 70° W. on curve from N.; thence over nearly level land.

80.00 Point for the cor. of secs. 3, 4, 33, and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 25 ins. in the ground, with brass cap marked

T32SR19E

S33|S34

S 4 | S 3

T33S

1956

Raise a mound of stone, west of the iron post.

Land, rough and broken.
Soil, sand and considerable exposed sandstone.
Timber, dense pinion and juniper.

West, bet. secs. 4 and 33.

Over rolling land, through scattered timber; desc. 10 ft. over gentle NW. slope.

5.80 Wash, 35 lks. wide, 3 ft. deep, drains SW.; desc. 50 ft. over gentle SW. slope.

Basin

32.80 Dues/Wash, 30 lks. wide, 4 ft. deep, drains N. 70° W. from SE.; asc. 10 ft. over gentle NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 24 ins. in the ground, and in a collar of stone, with brass cap marked

Chains	
	<div>533 4 8 4 1956</div> <p>Continue over gentle NE. slope; asc. 10 ft.</p>
47.00	Wash, 25 lks. wide, 2 ft. deep, drains NW. on curve from SW.; asc. 10 ft.
57.20	Bladed road, bears S. 30° E. and N. 20° W.; asc. 40 ft. over gentle NE. slope.
73.10	Base of ascent, bears N. 10° W. and S. 20° E.; asc. 90 ft. over steep E. slope.
79.43	Point selected for the witness cor. of secs. 4, 5, 32, and 33. Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked. <div>T328R19E S32 S33 WC← S 5 S 4 T33S 1956</div>
	from which a sandstone ledge, about 10 ft. high, bears N. 36° 30' W., 0.18 chs. dist., marked XB0.
80.00	True point for the cor. of secs. 4, 5, 32, and 33 falls in an unsafe position on face of cliff. Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered pinion and juniper.
	West, bet. secs. 5 and 32. Over rough and broken land, through scattered timber. By triangulation; asc. about 310 ft. over series of ledges on steep SE. slope of butte.
23.70	E. rim of butte, bears N. 10° E. and S. 10° W.; End of triangulation; asc. 60 ft. over broken SE. slope on top of butte.
32.60	Top of ascent, bears N. 30° E. and S. 30° W.; desc. 20 ft. over broken W. slope.
35.30	W. rim of butte, bears N. 10° E. and S. 30° W.; desc. abruptly 300 ft. over series of ledges on steep W. slope.
40.00	True point for the ¼ sec. cor. of secs. 5 and 32 falls in an unsafe position on the face of ledge. Desc. about 10 ft.
40.67	Point selected for the witness ¼ sec. cor. of secs. 5 and 32. Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked. <div>S32 W S 5 S 4 1956</div>

South Boundary, T. 32 S., R. 19 E.

Chains

Continue over broken W. slope; desc. 30 ft.

Slope changes to SW.; desc. 100 ft.

Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 2½ ins. diam., 30 ins. long, 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

T32SR19E

891/892

86/83

T33S

1956

Land, rough and broken.

Soil, shallow sand and considerable exposed sandstone.

Timber, scattered pinion and juniper.

West, bet. secs. 6 and 31.

Over rough and broken land, through scattered timber; thence by triangulation. Asc. about 220 ft. over series of ledges on steep E. slope.

End of triangulation; top of ascent, bears N. 30° E. and S. 30° W.; desc. 200 ft. over ledgy NW. slope.

Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

331
86/83

1956

Continue over broken NW. slope; desc. 150 ft.

Small wash, 30 lks. wide, 1 ft. deep, drains N. 70° W.; desc. 70 ft. over rolling NW. slope.

Enter sage-brush flat, bears NE. and SW.; desc. 10 ft. over gentle NW. slope.

Point for the cor. of Ts. 32 and 33 S., Rs. 18 and 19 E.

Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the ground, and in a collar of stone, with brass cap marked

T32S
R18E/R19E

836/831

81/86

T33S

1956

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, medium-dense pinion and juniper.

West Boundary, T. 32 S., R. 19 E.

Chains

North, bet. secs. 31 and 36.

Over rolling and broken land, through scattered timber; desc. 10 ft. over gentle NW. slope.

12.30

Wash, 40 lks. wide, 3 ft. deep, drains S. 80° W.; asc. 20 ft. over SW. slope.

16.00

Base of ascent, bears NW. and E.; asc. 220 ft. over series of ledges on steep SW. slope. Leave sage-brush flats, bears E. and NW.

39.87

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

X
W C
S36|S31
1956

40.00

True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36 falls in an unsafe position on face of ledge.

Asc. 30 ft. over series of ledges on steep SW. slope.

43.10

Top of ascent, slopes N. 85° W.; desc. 260 ft. over series of ledges on steep N. slope.

62.50

Wash, 30 lks. wide, 2 ft. deep, drains W.; asc. 10 ft. over SW. slope.

66.30

Bladed road, bears E. and W.; asc. 70 ft. over SW. slope.

80.00

Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 2½ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T32S
R18E|R19E
S25|S30
S36|S31
1956

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, medium-dense pinion and juniper.

North, bet. secs. 25 and 30.

Over rolling and broken land, through medium-dense timber; asc. 10 ft. along gentle W. slope.

9.80

Enter sage-brush flat, bears NE. and S. 10° W.

24.90

Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.; asc. 30 ft. over gentle S. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 2½ ins. diam., 30 ins. long, 15 ins. in the ground, and in a collar of stone, with brass cap marked

West Boundary, T. 32 S., R. 19 E.

Chains

$$\begin{array}{r} \frac{1}{2} \\ 325 | 330 \\ 1956 \end{array}$$

Continue over S. slope; asc. 20 ft.

51.40 Bladed road, bears N. 30° E. and S. 30° W.; asc. 40 ft. over S. slope.

62.40 Leave sage-brush flat, bears E. and W.

71.70 Top of ascent, bears E. and W.; desc. 70 ft. over broken NW. slope.

80.00 Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

$$\begin{array}{r} T32S \\ R18E | R19E \\ 324 | 319 \\ 325 | 330 \\ 1956 \end{array}$$

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, medium-dense pinion and juniper.

North, bet. secs. 19 and 24.

Over rolling and broken land, through scattered timber; desc. 30 ft. over NW. slope.

2.10 Wash, 20 lks. wide, 2 ft. deep, drains N. 30° W.; asc. 10 ft. along W. slope.

4.60 Top of ascent, bears NW. and SE.; desc. 40 ft. over gentle NW. slope.

10.80 Wash, 25 lks. wide, 2 ft. deep, drains S. 60° W.; asc. 40 ft. over S. slope.

18.40 Top of ascent, bears E. and W.; desc. 20 ft. over N. slope.

24.50 Wash, drains S. 60° W.; asc. 40 ft. over SE. slope.

40.00 Point for the ½ sec. cor. of secs. 19 and 24.

Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

$$\begin{array}{r} \frac{1}{2} \\ 324 | 319 \\ 1956 \end{array}$$

Continue over rolling SE. slope; asc. 40 ft.

50.50 Wash, drains SE.; asc. 30 ft. over gentle SE. slope.

74.20 Top of ascent, bears NW. and SE.; desc. 10 ft. along E. slope.

80.00 Point for the cor. of secs. 13, 18, 19, and 24.

Set an iron post, 2½ ins. diam., 30 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

Chains

T328	
R18E	R19E
S13	S18
S24	S19
1956	

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, medium-dense pinion and juniper.

North, bet. secs. 13 and 18.

Over rolling land, through dense timber; asc. 50 ft. over SE. slope.

23.00 Top of ascent, bears E. and W.; desc. 20 ft. over NE. slope.

31.20 Bladed road, bears NW. and S. 60° E.

33.00 Wash, drains S. 60° E.; asc. 20 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked.

$\frac{1}{4}$	
S13	S18
1956	

Asc. 90 ft. over gentle SW. slope.

63.60 Top of ascent, bears E. and W.; desc. 110 ft. over gentle NW. slope.

80.00 Point for the cor. of secs. 7, 12, 13, and 18.

Set an iron post, 2½ ins. diam., 30 ins. long, 24 ins. in the ground, and in a collar of stone, with brass cap marked.

T323	
R18E	R19E
S12	S 7
S13	S18
1956	

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered pinion and juniper.

North, bet. secs. 7 and 12.

Over rolling land, through scattered timber; desc. 10 ft. over gentle NW. slope.

3.20 Bladed road, bears S. 80° E. and N. 80° W.; asc. 170 ft. over series of ledges on SW. slope.

36.40 Top of ascent, bears N. 60° W. and S. 60° E.; desc. 20 ft. over broken NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked.

West Boundary, T. 32 S., R. 19 E.

Chains

S12|S 7

1956

Continue over broken NE. slope; desc. 90 ft.

52.00 Wash, drains E.; asc. 20 ft. over series of ledges on S. slope.

61.20 Top of ascent, bears E. and W.; desc. 250 ft. over rough and broken NE. slope.

75.20 Wash, 25 lks. wide, 2 ft. deep, drains S. 80° E.; asc. 50 ft. over broken SW. slope.

80.00 Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T32S

R18E|R19E

S 1 | S 6

S12|S 7

1956

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered pinion and juniper.

North, bet. secs. 1 and 6.

Over rough and broken land, through scattered timber; asc. 240 ft. over steep S. slope.

21.70 Spar, projects N. 80° E.; desc. 220 ft. over broken NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 2½ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

S 1 | S 6

1956

Continue over broken NE. slope; desc. 270 ft.

71.70 Wash, 30 lks. wide, 2 ft. deep, drains irregularly N. 80° E.; asc. 90 ft. over broken S. slope.

80.00 Point for the cor. of Ts. 31 and 32 S., Rs. 18 and 19 E.

Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T31S

R18E|R19E

S36|S31

S 1 | S 6

T32S

1956

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered pinion and juniper.

Chains

From the cor. of Ts. 32 and 33 S., Rs. 19 and 20 E.

North, bet. secs. 31 and 36.

Over rough and broken land, through medium-dense timber; asc. 170 ft. over series of ledges on steep SE. slope of canyon wall.

9.20 N. rim of canyon, bears NE. and SW.; asc. 80 ft. over rolling SE. slope.

20.80 Top of ascent, bears E. and W.; desc. 50 ft. over NE. slope.

26.20 S. rim of canyon, bears E. and W.; desc. 420 ft. over series of ledges on steep N. slope of canyon wall.

39.80 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36.Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap marked

$\frac{1}{4}$
 W C
 S36/S31
 1956

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36 falls in an unsafe position in the bottom of wash, 20 lks. wide, 3 ft. deep, draining E.

Asc. 270 ft. over steep S. slope.

46.90 Spur, projects S. 80° E.; thence by triangulation. Desc. about 160 ft. over steep NE. slope.

56.50 Wash, 10 lks. wide, 2 ft. deep, drains S. 60° E.; asc. about 280 ft. over series of ledges on steep S. slope of canyon wall.

66.30 N. rim of canyon, bears E. and W.; asc. 120 ft. over steep S. slope. End of triangulation.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, with brass cap marked

T32S
 R19E R20E
 S25 S30
 S36 S31
 1956

From which

a pinion, 10 ins. diam., bears S. 58° 45' W., 47 lks. dist., marked T32SR19ES36BT.

a pinion, 12 ins. diam., bears N. 41° 45' W., 50 lks. dist., marked T32SR19ES25BT.

a pinion, 6 ins. diam., bears N. 70° 15' E., 87 lks. dist., marked T32SR20ES30BT.

a pinion, 12 ins. diam., bears S. 54° E., 98 lks. dist., marked T32SR20ES31BT.

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, medium-dense pinion and juniper.

East Boundary, T. 32 S., R. 19 E.

Chains

30.60

North, bet. secs. 25 and 30.

Over rolling land, through medium-dense timber; asc. 40 ft. over gentle SE. slope.

Top of ascent, bears E. and W.; desc. 10 ft. over gentle NE. slope.

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, with brass cap marked
$$\begin{array}{r} \frac{1}{4} \\ S25 | S30 \\ 1956 \end{array}$$

Desc. 40 ft. over gentle NE. slope.

E. rim of West Fork of Salt Creek Canyon, bears NE. and SW.; thence by triangulation. Desc. about 780 ft. over series of ledges and cliffs on precipitous NW. slope of canyon wall.

Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 2 $\frac{1}{2}$ ft. base, to top of post, with brass cap marked
$$\begin{array}{r} T32S \\ R19E | R20E \\ \hline S24 | S19 \\ S25 | S30 \\ 1956 \end{array}$$

Land, rough and broken.

Soil, sand and considerable exposed sandstone.

Timber, medium-dense pinion and juniper.

North, bet. secs. 19 and 24.

Over rough and broken land, through medium-dense timber; desc. 50 ft. over NW. slope.

Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 80 ft. over SE. slope.

Spur, projects E.; end of triangulation. Thence over a series of low spurs, projecting easterly, desc. 100 ft.

Wash, 20 lks. wide, 3 ft. deep, course NW. from SE.

Same wash, course NE.

Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 16 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked
$$\begin{array}{r} T32S \\ \frac{1}{4} \\ R19E | R20E \\ \hline S24 | S19 \\ 1956 \end{array}$$

Continue along bottom of canyon; thence by traverse.

Chains

53.10 Same wash, course NW.; asc. about 100 ft. over steep SW. slope.

65.00 Spur, projects W.; desc. about 80 ft. over steep NW. slope.

73.50 Point selected for the witness cor. of secs. 13, 18, 19, and 24.

Set an iron post, 2½ ins. diam., 30 ins. long, 2 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

W C
T32S
R19E R20E
S13 S18
S24 S19
1956

Asc. about 120 ft. over series of ledges on steep SW. slope, on E. wall of canyon.

80.00 True point for the cor. of secs. 13, 18, 19, and 24 falls in an unsafe position on face of canyon wall.

Land, rough and broken breaks in West Fork of Salt Creek Canyon. Soil, sand and considerable exposed sandstone. Timber, medium-dense pinion and juniper.

North, bet. secs. 13 and 18.

Over rough and broken land, through medium-dense timber; asc. about 40 ft. over steep SW. slope.

4.50 Spur, projects W.; desc. about 130 ft. over series of ledges on steep N. slope.

10.00 Small wash, drains S. 80° W.; asc. about 180 ft. over steep S. slope.

15.00 Spur, projects S. 80° W.; desc. about 500 ft. over series of ledges and cliffs on steep NW. slope.

38.50 Point selected for the witness ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 2½ ins. diam., 30 ins. long, 3 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32S

W C

R19E R20E

S13 S18

1956

38.80 Wash, drains NW. about 3.00 chs. to jet. with West Fork Salt Creek.

40.00 True point for the ¼ sec. cor. of secs. 13 and 18 falls on face of cliff, about 20 ft. high, facing W.

Asc. 50 ft. over ledges along W. slopes

45.50 Top of ascent, slopes W.; end of traverse. Desc. 120 ft. over steep NW. slope.

63.40 Wash in bottom of West Fork Salt Creek, 20 lks. wide, 3 ft. deep, course E. on curve from SW.; asc. 70 ft. over steep SE. slope.

77.10 Top of ascent, slopes E.; desc. 80 ft. over SE. slopes.

Chains
80.00

Point for the cor. of secs. 7, 12, 13, and 18.

Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

T32S
R19E R20E
S12 S 7
S13 S18
1936

Land, rough and broken breaks in West Fork Salt Creek Canyon.
Soil, sand and exposed sandstone.
Timber, medium-dense pinion and juniper.

North, bet. secs. 7 and 12.

Over rough and broken land, through medium-dense timber; desc. 70 ft. over steep NE. slope.

5.70 Wash in bottom of canyon, 30 lks. wide, 3 ft. deep, drains NW. on curve from E.; asc. 10 ft.

10.90 Top of ascent, bears E. and W.; desc. 10 ft.

13.20 Same wash, drains NE. from SW.; asc. 60 ft. over steep SE. slope.

19.60 Top of ascent, spur, projects E.; desc. about 60 ft. over steep N. slope.

NOTE: The remaining 140.40 chs. of the East Bdy. were surveyed by traverse. True-line topography is approximate, as scaled from U. S. G. S. topographic map.

25.50 Same wash, drains N. 80° W. on curve from SE.; asc. about 120 ft. over steep SW. slope of canyon wall.

38.00 Spur, projects W.; desc. abruptly about 40 ft. over series of ledges on steep NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 2½ ins. diam., 30 ins. long, 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

S12 S 7
1936

Continue over broken NW. slope; desc. about 120 ft.

54.50 Small wash, drains NW.; asc. about 60 ft. over steep SW. slope.

60.00 Spur, projects W.; desc. about 60 ft. over NW. slope.

69.00 Small wash, drains NW.; asc. about 80 ft. over steep SW. slope.

78.50 Spur, projects W.

Point selected for the witness cor. of secs. 1, 6, 7, and 12.

Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

Chains

00:08

80.00

True point for the cor. of secs. 1, 6, 7, and 12 falls in a deep inaccessible fissure.

Land, rough and broken breaks in West Fork Salt Creek Canyon.
Soil, sand and exposed sandstone.
Timber, medium-dense pinion and juniper.

North, bet. secs. 1 and 6.

7.50

Small wash, drains NW.; asc. about 40 ft. over steep SW. slope.

13.00

Top of ascent, slopes sharply W.; desc. about 40 ft. over NW. slope.

17.00

Small wash, drains W.; asc. about 300 ft. over series of ledges and cliffs on precipitous SW. slope.

28.50

Top of sandstone ridge, projects NW. about 5 chs. to end. Ridge is capped by several sandstone spires of assorted shapes and heights. Desc. about 280 ft. over series of ledges on steep N. slope.

34.50

Small wash, drains W.; asc. about 200 ft. over precipitous S. slope.

36.15

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

40.00

True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 inaccessible:

Thence over a series of small washes and barren ridges and spurs, putting westerly.

80.00

True point for the cor. of Ts. 31 and 32 S., Rs. 19 and 20 E. falls on face of cliff. Desc. about 40 ft. over steep NE. slope.

83.80

Point selected for the witness cor. of Ts. 31 and 32 S., Rs. 19 and 20 E. End of traverse.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered pinion and juniper.

North Boundary, T. 32 S., R. 19 E.

Chains	From the true point for the cor. of Ts. 31 and 32 S., Rs. 19 and 20 E.
West, bet. secs. 1 and 36.	Over rough and broken land, through scattered timber.
	NOTE: The east two miles of the north bdy. were surveyed by traverse; approximate true-line topography as scaled from U. S. G. S. topographic maps.
	Over a series of small spurs and barren spires of assorted shapes and sizes; desc. about 400 ft.
24.50	Wash, drains SW.; asc. about 100 ft. over steep SE. slope.
29.00	Spur, projects SW.; desc. about 380 ft. over steep SW. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 36. Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked <div style="text-align: center;">$\frac{S36}{S1}$ 1956</div>
40.50	Wash in bottom of West Fork Salt Creek Canyon, 30 lks. wide, 2 ft. deep, drains NW.; asc. about 180 ft. over series of ledges and cliffs on steep NE. slope,
50.00	Slope changes to SE.; asc. about 220 ft. over series of ledges.
57.00	Top of ridge, bears NE. and SW.; desc. about 200 ft. over steep NW. slope.
65.00	Base of ascent, bears N. 10° E. and S. 10° W.; asc. about 100 ft. over steep E. slope.
68.00	Crest of rocky ridge, bears N. 30° W. and S. 10° E.; desc. about 150 ft. over broken NW. slope.
80.00	Point for the cor. of secs. 1, 2, 35, and 36. Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked <div style="text-align: center;">T31SR19E $\frac{S35 S36}{S2 S1}$ T32S 1956</div>
	Land, extremely rough and broken. Soil, shalley sand and exposed sandstone. Timber, scattered pinion and juniper.
	West, bet. secs. 2 and 35.
	Over rough and broken land, through scattered timber; desc. 150 ft. over steep NW. slope.
11.00	Wash, drains NE.; asc. about 200 ft. over steep SE. slope.
17.00	Spur, projects N. 35° E.; desc. about 60 ft. over NW. slope.

North Boundary, T. 32 S., R. 19 E.

Chains

20.00 Base of ascent, bears NE. and SW.; asc. about 200 ft. over series of ledges on steep NE. slope.

35.00 Spur, projects N.; desc. about 120 ft. over precipitous W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 14 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T31SR19E

S35

S 2

T32S

1956

Desc. about 160 ft. over steep NW. slope.

48.50 Base of ascent, bears N. and S.; asc. about 80 ft. over steep NE. slope.

52.50 Spur, projects N.; desc. about 80 ft. over steep NW. slope.

55.00 Base of ascent, bears N. 10° E. and S. 10° W.; asc. about 140 ft. along steep N. slope.

68.50 Wash, drains NE.; asc. about 380 ft. over series of ledges on steep SE. slope.

80.00 Point for the cor. of secs. 2, 3, 34, and 35.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T31SR19E

S34 S35

S 3 S.2

T32S

1956

Land, extremely rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered pinion and juniper.

West, bet. secs. 3 and 34.

Over rough and broken land, through scattered timber; desc. about 200 ft. over series of spurs and small washes, putting northerly.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

S34

S 3

1956

Asc. about 200 ft. over steep NE. slope.

62.00 Top of ascent, spur, projects N.; desc. about 160 ft. over series of spires and spurs on broken NW. slope.

North Boundary, T. 32 S., R. 19 E.

Chains	
80.00	<p>True point for the cor. of secs. 3, 4, 33, and 34 falls in inaccessible position on face of cliff, about 40 ft. high.</p> <p>Land, extremely rough and broken.</p> <p>Soil, shallow sand and exposed sandstone.</p> <p>Timber, scattered pinion and juniper.</p>
5.43	<p>West, bet. secs. 4 and 33.</p> <p>Over rough and broken land, through scattered timber; desc. about 80 ft. over steep W. slope.</p> <p>Point selected for the witness cor. of secs. 3, 4, 33, and 34.</p> <p>Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked</p> <div style="text-align: center;"> <p>T31SR19E</p> <p>S33 S34 W</p> <p>8 4 3 3 C</p> <p>T32S</p> <p>1956</p> </div> <p>Continue over broken land on W. slope; desc. about 330 ft.</p>
32.40	<p>Wash, 50 lks. wide, 2 ft. deep, drains irregularly N. 20° W.; asc. about 110 ft. over steep NE. slope.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 4 and 33.</p> <p>Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked</p> <div style="text-align: center;"> <p>S33</p> <p>4 S 4</p> <p>1956</p> </div> <p>Continue over steep NE. slope; asc. about 100 ft.</p>
50.00	<p>Spur, projects N.; desc. about 120 ft. over steep NW. slope.</p>
58.00	<p>Wash, 35 lks. wide, 2 ft. deep, course N. 30° E.; asc. about 240 ft. over broken E. slope.</p>
80.00	<p>Point for the cor. of secs. 4, 5, 32, and 33.</p> <p>Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4½ ft. base, to top of post, with brass cap marked</p> <div style="text-align: center;"> <p>T31SR19E</p> <p>S32 S33</p> <p>9 5 3 4</p> <p>T32S</p> <p>1956</p> </div> <p>Land, rough and broken.</p> <p>Soil, sand and exposed sandstone.</p> <p>Timber, scattered pinion and juniper.</p>
	<p>West, bet. secs. 5 and 32.</p> <p>Over rough and broken land, through scattered timber; desc. about 120 ft. along N. slope.</p>

Chains

32.00

Wash, 30 lks. wide, 4 ft. deep, drains N. 60° E.; asc. 140 ft. over broken NE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

832
S 5

1956

Continue over broken NE. slope; asc. 80 ft.

44.50

Spur, projects N. 20° E.; desc. 100 ft. over broken NW. slope.

62.40

Wash, 25 lks. wide, 3 ft. deep, drains N. 40° E.; asc. 200 ft. over steep E. slope.

72.20

Top of ascent, bears N. 10° W. and S.; desc. 30 ft. over NW. slope.

80.00

Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 20 ins. in the ground, and in a collar of stone, with brass cap marked

T31SR19E

831 | 832

S 6 | S 5

T32S

1956

Land, rough and broken...

Soil, sand and considerable exposed sandstone.

Timber, scattered pinion and juniper.

West, bet. secs. 6 and 31.

Over rough and broken land, through dense timber; desc. 170 ft. over broken W. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

831
S 6

1956

Desc. 20 ft. along S. slope.

43.60

Wash, 15 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft.

50.40

Top of ascent, bears N. and S.; desc. 80 ft. over SW. slope.

54.40

Wash, 25 lks. wide, 1 ft. deep, drains N. 20° W.; asc. 140 ft. over broken SE. slope.

78.12

The cor. of Ts. 31 and 32 S., Rs. 18 and 19 E., as previously described.

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, dense pinion and juniper.

Part of the Subdivision, T. 32 S., R. 19 E.

Chains	
	From the cor. of secs. 2, 35, and 36, on the S. bdy. of the Tp.
	N. 0° 01' W.; bet. secs. 35 and 36.
	Over rough and broken land, through medium-dense timber; asc. 20 ft. over SE. slope.
6.70	Top of ascent, spur; slopes E.; desc. 100 ft. over series of ledges on steep NE. slope.
37.70	Wash, 10 lks. wide, 1 ft. deep, drains S. East; asc. 40 ft. over steep SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
	Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked
	T32SR19E S35/S36 1956
	Continue over steep SE. slope; asc. 100 ft. over series of ledges.
59.80	Bladed road, bears NE, and W.; asc. 80 ft. over broken SE. slope.
70.50	Base of steep ascent, bears NE, and SW.; asc. 240 ft. over series of ledges on steep SE. slope.
80.00	Point for the cor. of secs. 25, 26, 35, and 36.
	Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked
	T32SR19E S26/S25 S35/S36 1956
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp.
	S. 89° 54' W.; bet. secs. 25 and 36.
	Over rolling land, through medium-dense timber; desc. 10 ft. along S. slope.
13.80	Slope changes to SW.; desc. 40 ft.
22.80	Wash, 10 lks. wide, 2 ft. deep, drains S. 10° W.; asc. 110 ft. over E. slope.
40.07	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.
	Set an iron post, 1 ins. diam., 36 ins. long, 14 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked
	S25 S36 1956

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains

	Asc. 40 ft. over broken SE. slope.
46.50	Bladed road, bears NE. and SW.; asc. 120 ft. over rolling SE. slope.
67.50	Base of abrupt ascent, bears NE. and SW.; asc. 250 ft. over series of ledges on steep SE. slope.
80.14	The cor. of secs. 25, 26, 35, and 36. Land, rolling and broken. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp. N. 0° 02' W., bet. secs. 33 and 34. Over rough and broken land, through medium-dense timber; asc. about 360 ft. over series of ledges and cliffs on steep SE. slope. By triangulation. Wash, 40 lks. wide, 3 ft. deep, drains W. from S. 70° E. W. rim of bench, bears E. and S. 80° W.; end of triangulation. Asc. 30 ft. over gentle SW. slope.
2.00	
30.00	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34. Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked S33 S34 1956 Asc. 30 ft. over gentle SW. slope.
50.60	Top of ascent, bears E. and W.; desc. 40 ft. over gentle NW. slope.
56.60	W. rim of bench, bears N. 60° E. and S. 60° W.; desc. 430 ft. abruptly over series of ledges on steep NW. slope.
77.80	Wash, 30 lks. wide, 3 ft. deep, drains NW.; asc. 30 ft. over steep SW. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34. Set an iron post, 1 ins. diam., 36 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T32SRI9E S28 S27 S33 S34 1956 Land, rough and broken. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	N. 0° 02' W., bet. secs. 27 and 28. Over rolling and broken land, through medium-dense timber; asc. 20 ft. over SW. slope.
5.10	Top of ascent, bears E. and W.; desc. 30 ft. over NW. slope.

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains	
34.10	Wash, 20 ins. wide, 1 ft. deep, drains S. 40° W.; asc. 60 ft. over rolling SE. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 27 and 28. Set an iron post, 1 ins. diam., 36 ins. long, 30 ins. in the ground, with brass cap marked.
	S28 S27 1956
	Raise a mound of stone W. of iron post.
	Continue over steep SE. slope; thence by triangulation. Asc. about 180 ft.
55.50	Base of spire, bears E. and W.; asc. about 80 ft. over S. face.
56.00	Top of sandstone spire, bears E. and W.; desc. abruptly about 80 ft.
57.00	Base of ascent, bears E. and W.; asc. about 150 ft. over series of ledges on steep S. slope.
61.10	S. rim of bench, bears E. and W.; asc. 20 ft. over gentle SE. slope. End of triangulation.
67.10	Top of ascent, bears E. and W.; desc. 10 ft. over N. slope.
70.30	Bladed road, bears N. 70° W. and S. 80° E.; desc. 10 ft. over N. slope.
70.40	Point selected for the witness point bet. secs. 27 and 28. Set an iron post, 2½ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap marked
	T32SR19E S28 S27. W P 1956
	Asc. 60 ft. over steep S. slope.
73.90	Narrow spur, projects W.; desc. 230 ft. over series of ledges on steep N. slope. Thence by triangulation.
80.00	Point for the cor. of secs. 21, 22, 27, and 28. Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked.
	T32SR19E S21 S22 S28 S27 1956
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	N. 0° 02' W., bet. secs. 21 and 22. Over rough and broken land, through medium-dense timber; desc. about 300 ft. over precipitous N. slope.

Chains		
15.00	Wash, 30 lks. wide, 5 ft. deep, drains NW.; asc. 40 ft. over SW. slope.	asc. 40 ft. over SW. slope.
22.00	Top of ascent, bears N. 70° E. and S. 70° W.; desc. about 80 ft. over NW. slope.	80 ft. over NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.	
	Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked	
	$\frac{1}{4}$ sec. cor. of secs. 21 and 22	
	S21 S22	
	1956	
	Asc. 40 ft. over SW. slope.	
47.90	Top of ascent, bears E. and W.; desc. 180 ft. over rolling NW. slope. End of triangulation.	
80.00	Point for the cor. of secs. 15, 16, 21, and 22.	
	Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top of post, with brass cap marked	
	T32S 19E	
	S16 S15	
	S21 S22	
	1956	
	Land, rough and broken. Soil, sand and considerable exposed sandstone. Timber, scattered pinion and juniper.	
	N. 0° 02' W., bet. secs. 15 and 16.	
	Over rough and broken land, through scattered timber; desc. 100 ft. over series of ledges on steep NW. slope.	
9.60	Wash, 15 lks. wide, 10 ft. deep, drains W.; asc. 120 ft. over steep SW. slope.	
16.10	Spur, projects W.; desc. 190 ft. over steep NW. slope.	
31.20	Wash, 20 lks. wide, 15 ft. deep, drains NE.; asc. 110 ft. along steep E. slope.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.	
	Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked	
	$\frac{1}{4}$ sec. cor. of secs. 15 and 16	
	S16 S15	
	1956	
	Desc. 30 ft. over steep NE. slope.	
41.20	Wash, drains NE.; asc. 20 ft. over steep SE. slope.	
47.20	Spur, projects NE.; desc. 150 ft. over steep NE. slope.	
62.00	Wash, 20 lks. wide, 3 ft. deep, drains NW.; asc. 70 ft. over SW. slope.	

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains 70.70	Spur, projects NW.; desc. 70 ft. over NW. slope.
79.90	Wash, 10 lks. wide, 4 ft. deep, drains NW.; asc. 10 ft.
80.00	Point for the cor. of secs. 9, 10, 15, and 16. Set an iron post, 2½ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap marked <div style="text-align: center;">T32SR19E S 9 S10 316 S15 1956</div>
80.00	Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered pinion and juniper.
	N. 0° 02' W., bet. secs. 9 and 10. Over rough and broken land, through scattered timber; asc. 100 ft. over steep SW. slope.
6.40	Spur, projects NW.; desc. 130 ft. over steep N. slope.
15.30	Butler wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 10 ft.
16.50	Top of ascent, bears E. and W.; desc. 20 ft.
17.10	Same wash, drains W.; asc. 120 ft. over steep SW. slope.
27.70	Spur, projects W.; desc. 150 ft. over steep NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 2½ ins. diam., 30 ins. long, 22 ins. in the ground, with brass cap marked <div style="text-align: center;">T32SR19E 1 S 9 S10 1956</div>
	Asc. 120 ft. over steep SW. slope.
48.80	Spur, projects NW.; desc. about 130 ft. over steep NE. slope. Thence by triangulation.
58.00	Base of ascent, bears NW. and SE.; asc. about 140 ft. over series of ledges on steep SW. slope.
74.30	Top of ascent, bears NW. and SE.; desc. 50 ft. over steep N. slope. End of triangulation.
80.00	Point for the cor. of secs. 3, 4, 9, and 10. Set an iron post, 2½ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked <div style="text-align: center;">T32SR19E S 4 S 3 S 9 S10 1956</div>
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered pinion and juniper.

Chains	
	N. 0° 05' E., bet. secs. 3 and 4.
	Over rough and broken land, through scattered timber; by triangulation. Desc. about 100 ft. along broken W. slope.
14.00	Wash, drains S. 80° W.; asc. about 80 ft. over cliff.
15.50	Top of cliff, faces S.; thence over level land.
25.00	Wash, 30 lks. wide, 5 ft. deep, drains N. 60° W.
32.90	End of triangulation; desc. 40 ft. over N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.
	Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked
	T32SR19E 4 S 4 S 3 1956
	Thence by triangulation; desc. about 90 ft. over broken N. slope.
46.00	Wash, drains N. 85° W.; asc. about 160 ft. over series of ledges on steep broken SW. slope.
54.00	Spur, projects W.; desc. about 150 ft. over broken NW. slope.
61.00	Small wash, drains S. 70° W.; asc. about 160 ft. over series of ledges, spires, and spurs, bearing generally NW. and SE.
80.09	The true point for the cor. of secs. 3, 4, 33, and 34. End of triangulation.
	Land, extremely rough and broken. Soil, shallow sand and exposed sandstone. Timber, scattered pinion and juniper.
	From the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over rough and broken land, through scattered timber; thence by traverse. Asc. about 340 ft. over series of ledges on steep NE. slope.
40.06	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked
	T32SR19E 4 S 3 S 2 1956
	Continue over NE. slope; asc. about 80 ft.
50.50	Top of ascent, bears E. and W.; desc. about 220 ft. over steep S. slope.
57.50	Fissure, about 100 ft. deep, bears NE. and SW.; asc. about 220 ft. over series of ledges on steep NW. slope.

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains	
67.50	Spur, projects W.; desc. about 200 ft. over ledges along W. slope.
80.06	<p>True point for the cor. of secs. 2, 3, 10, and 11, at calculated intersection with line connecting the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp., and the cor. of secs. 3, 4, 9, and 10; falls on W. face of wall, about 200 ft. high, impractical to monument.</p> <p>Land, rough and broken. Soil, sand and considerable exposed sandstone. Timber, dense pinion and juniper.</p>
40.03	<p>From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp. S. 0° 01' E., bet. secs. 1 and 2. Thence by traverse; true-line topography as scaled from U. S. G. S. topographic map.</p> <p>Over rough and broken land, through scattered timber; asc. about 40 ft. over a series of spurs and washes, putting northeasterly.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.</p> <p>Set an iron post, 1 ins. diam., 36 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T32SR19E $\frac{1}{4}$ S 2 S 1 1956</p> <p>Continue over series of small washes, spurs, and barren sandstone spires, putting northeasterly; desc. about 60 ft.</p>
80.03	<p>Point for the cor. of secs. 1, 2, 11, and 12, at calculated intersection with line connecting the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp., and the cor. of secs. 3, 4, 9, and 10.</p> <p>Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 16 ins. in the ground to bedrock, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;">T32SR19E S 2 S 1 S11 S12 1956</p> <p>Land, extremely rough and broken. Soil, shallow sand and exposed sandstone. Timber, scattered pinion and juniper.</p>
39.91	<p>West, bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1 and 12, on the E. bdy. of the Tp.</p> <p>Over extremely rough and broken land, through scattered timber; by triangulation, Asc. about 800 ft. over series of ledges and barren sandstone spires on steep SE. slope.</p> <p>True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11 falls on face of ledges, in an unsafe position; asc. about 50 ft.</p>
41.91	<p>Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11. End of triangulation.</p>

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

T32SR19E

$$\begin{array}{c} S \ 2 \ W \\ \swarrow \quad \searrow \\ SI1 \quad C \end{array}$$

1956

Enter dense timber, bears NE. and SW.; asc. about 100 ft. over rolling E. slope; by traverse.

62.00 Top of ascent, bears NE. and SW.; desc. about 30 ft. along N. slope.

72.46 Point selected for the witness cor. of secs. 2, 3, 10, and 11.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T32SR19E

$$\begin{array}{c} W \ S \ 3 \ S \ 2 \\ \swarrow \quad \searrow \\ SI1 \quad SI1 \end{array}$$

1956

Desc. about 200 ft. over series of ledges on steep W. slope.

79.82 True point for the cor. of secs. 2, 3, 10, and 11. End of traverse.

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, E. $\frac{1}{2}$ mile, scattered pinion and juniper; W. $\frac{1}{2}$ mile, dense pinion and juniper.

From the cor. of secs. 15, 16, 21, and 22.

West, bet. secs. 16 and 21.

Over rough and broken land, through medium-dense timber; asc. 30 ft. along N. slope.

3.30 Spur, projects N.; desc. 140 ft. over steep NW. slope.

12.50 Wash, drains NE. on curve from S.; asc. 240 ft. over series of ledges on steep E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap marked

T32SR19E

$$\begin{array}{c} SI16 \\ \swarrow \quad \searrow \\ SI1 \end{array}$$

1956

Continue over broken E. slope; asc. 70 ft.

49.70 Base of steep ascent, bears N. and S. 30° W.; asc. 410 ft. over series of ledges on steep NE. slope.

78.80 Point selected for the witness cor. of secs. 16, 17, 20, and 21.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 2 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains

T32SR19E
W S17/S16
C S20/S21
1956

80.00

True point for the cor. of secs. 16, 17, 20, and 21, falls on face of sandstone cliff, in an unsafe position.

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, medium-dense pinion and juniper.

From the true point for the cor. of secs. 16, 17, 20, and 21.

N. 0° 03' W., bet. secs. 16 and 17.

Over rough and broken-land, through medium-dense timber; by triangulation. Desc. about 680 ft. over series of ledges on steep N. slope.

20.00

Wash, drains E.; asc. about 320 ft. over steep S. slope.

40.00

True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17 falls in an unsafe position on the face of cliff.

Asc. about 220 ft. over a series of ledges on steep SE. slope.

46.70

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

T32SR19E
S17/S16
W C
1956

Continue over SE. slope; asc. 20 ft.

49.70

Top of ascent, bears E. and W.; thence by triangulation. Desc. about 680 ft. over series of ledges on steep N. slope.

80.00

Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 2½ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T32SR19E
S 8/S 9
S17/S16
1956

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered pinion and juniper.

From the cor. of secs. 9, 10, 15, and 16.

S. 89° 59' W., bet. secs. 9 and 16.

Wash, 10 lks. wide, 4 ft. deep, drains NW.

Over rough and broken land, through medium-dense timber; asc. 10 ft. over NE. slope.

0.10

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains	
1.30	Spur, projects NW.; desc. 20 ft. over NW. slope.
4.30	Butler wash, 70 lks. wide, 4 ft. deep, drains N. 20° E.
9.60	Wash, drains S. 75° E. to jct. with Butler Wash, about 4 chs. dist.; asc. 10 ft. along N. slope.
16.80	Same wash, drains N. 80° E. from W.; continue along bottom of wash.
19.90	Leave wash, drains E. from N. 80° W.; asc. 110 ft. along steep N. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 7 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked T32SR19E S 9 4 S16 1956 Asc. 20 ft. along steep N. slope.
49.30	Spur, projects N.; desc. 70 ft. over steep NW. slope.
52.30	Wash, drains NE. on curve from NW.; asc. 70 ft. over steep NE. slope.
54.80	Spur, projects N.; desc. 40 ft.
59.80	Same wash, drains N. 30° E. from N. 20° W.; asc. 60 ft. over NE. slope.
60.30	Spur, projects N. 1.50 chs. to end; desc. 10 ft.
62.60	Same wash, drains N. 30° E.; asc. 150 ft. over broken E. slope.
80.02	The cor. of secs. 8, 9, 16, and 17. Land, rough and broken. Soil, shallow sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	true point for the From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 32 and 33. Over rough and broken land, through dense timber; desc. 190 ft. over steep NE. slope.
36.90	Beef Basin Wash, 30 lks. wide, 3 ft. deep, drains irregularly NW.; asc. 10 ft.
37.40	Bladed road, bears NW. and SE.; asc. 20 ft. over SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top of post, with brass cap marked T32SR19E S 9 4 S33 1956

.S. 32 E. Portion of the Subdivision, T. 32 S., R. 19 E.

Chains	
77.70	<p>Continue over broken SW. slope; asc. 350 ft. over series of ledges.</p> <p>Top of ascent, bears NE. and SW.; desc. 20 ft. over NW. slope.</p> <p>Point for the cor. of secs. 28, 29, 32, and 33.</p> <p>Set an iron post, 2½ ins. diam., 30 ins. long, 3 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked</p> <div style="text-align: right;"> T32SR19E S29 S28 S32 S33 1956 </div> <p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.</p>
2.80	<p>From the cor. of secs. 27, 28, 33, and 34.</p> <p>N. 89° 57' W., bet. secs. 28 and 33.</p> <p>Over rolling and broken land, through scattered timber; desc. 30 ft. over SW. slope.</p> <p>Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 30 ft. over E. slope.</p>
15.80	<p>Top of ascent, bears N. and S.; desc. 20 ft. over SW. slope.</p>
16.80	<p>Wash, 15 lks. wide, 4 ft. deep, drains SE.; asc. 150 ft. over broken SE. slope.</p>
40.01	<p>Point for the ¼ sec. cor. of secs. 28 and 33.</p> <p>Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked</p> <div style="text-align: right;"> T32SR19E S28 S33 1956 </div> <p>Asc. 40 ft. over steep SE. slope.</p>
42.70	<p>Spur, projects S.; desc. 200 ft. along steep S. slope.</p>
62.20	<p>Wash, 15 lks. wide, 3 ft. deep, drains S. 30° E.; asc. 300 ft. over series of ledges on steep SE. slope.</p>
80.02	<p>The cor. of secs. 28, 29, 32, and 33.</p> <p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.</p>
14.00	<p>From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp.</p> <p>N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over rough and broken land, through scattered timber; asc. 100 ft. over broken SW. slope.</p> <p>Top of ascent, bears E. and W.; desc. 320 ft. over steep N. slope.</p>

Chains

31.60 Wash, 15 lks. wide, 4 ft. deep, drains NW.; asc. 110 ft. over steep SW. slope.

38.20 Spur, projects W.; desc. 20 ft. over steep NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

T32SR19E

 $\frac{1}{4}$

S31|S32

1956

Continue over steep NW. slope; desc. 40 ft.

42.30 Wash, 10 lks. wide, 2 ft. deep, drains W.; asc. 110 ft. over steep SW. slope.

48.90 Spur, projects W. from SE.; desc. 180 ft. over steep NW. slope.

56.20 Bladed road, bears E. and W.; desc. 10 ft. over N. slope.

59.90 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.; asc. 200 ft. over steep S. slope.

65.60 Spur, projects SW.; asc. 50 ft. over broken SW. slope.

78.50 Top of ascent, bears E. and W.; desc. 10 ft. over NW. slope.

80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T32SR19E

S30|S29

S31|S32

1956

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered pinion and juniper.

From the cor. of secs. 28, 29, 32, and 33.

S. 89° 59' W., bet. secs. 29 and 32.

Over rough and broken land, through scattered timber; desc. 360 ft. over series of ledges on steep NW. slope.

30.80 Wash, 15 lks. wide, 3 ft. deep, drains SW.; asc. 120 ft. over steep SE. slope.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 1 ins. diam., 36 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, to top of post, with brass cap marked

T32SR19E

 $\frac{1}{4}$

S29

S32

1956

Portion of the Subdivision, T. 32 S., R. 19 E.

Chains	
bas 29.00	Continue over steep SE. slope; asc. 70 ft.
149.00	Top of ascent, bears N. and S.; desc. 20 ft. over W. slope.
55.60	Base of ascent, bears N. and S.; asc. 70 ft. over broken SE. slope.
68.90	Top of ascent, bears NE. and SW.; desc. 90 ft. over NW. slope.
79.98	The cor. of secs. 29, 30, 31, and 32.
	Land, rough and broken.
	Soil, sand and exposed sandstone.
	Timber, scattered pinion and juniper.
	S. 89° 57' W., bet. secs. 30 and 31.
	Over rough and broken land, through scattered timber; desc. 120 ft. over steep W. slope.
5.40	Wash, 20 lks. wide, 3 ft. deep, drains S. 30° W.; asc. 110 ft. over steep SE. slope.
12.20	Spur, projects S.; desc. 130 ft. over steep SW. slope.
22.00	Wash, 10 lks. wide, 3 ft. deep, drains S. 30° E.; asc. 150 ft. over steep E. slope.
27.20	Spur, projects S.; desc. 220 ft. over steep W. slope.
39.20	Wash, 10 lks. wide, 1 ft. deep, drains S. 70° W.; desc. 10 ft. along S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31.
	Set an iron post, 2 $\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 5 ft. base, to top of post, with brass cap marked
	T32SR19E
	$\frac{1}{4}$ S30
	$\frac{1}{4}$ S31
	1956
	Desc. 40 ft. over SW. slope.
50.50	Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 90 ft. over broken SE. slope.
63.80	Spur, projects S.; desc. 80 ft. over steep SW. slope.
78.08	The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp.
	Land, rough and broken.
	Soil, sand and exposed sandstone.
	Timber, scattered pinion and juniper.
General Description	
Beef Basin Wash drains the southwestern portion of T. 32 S., R. 19 E. in a westerly direction. A maze of washes and small canyons drain the remainder of the Tp. in a northerly direction. The northern and eastern portions of the Tp. are made up of some of the most colorful and fantastic erosional features found in this portion of Utah. Most of these features present vari-colored strata of barren	

Chains

sandstone in sheer and grotesque patterns of spires, pinnacles, and overhanging cliffs. The southern portion of the geographic area known as The Needles extends into the Tp. from the north. Travel, at its best, is extremely difficult; because of this factor, access by road is found only in the south and southwest.

Elevations vary from 5,600 ft. in the extreme NE. to 7,700 ft. on an island mesa in the SE.

Timber grades in density from scattered stands of pinion and juniper in the NE. to dense stands in the south.

A spring of good water is located in the NE. portion of sec. 2; another is found near the center of sec. 1. Many small seeps in the West Fork of Salt Creek, and its many tributaries, present virtually a permanent water supply along many miles of its washes. Accessibility, of course, is the prime problem in reaching this water.

A prospect hole is located on the west side of an island mesa in sec. 36. Concurrently with the survey of this Tp. an oil well drilling rig was being established on a bench in sec. 28

A fair supply of grasses is found, especially in the western portions. More abundant grasses are found in the bottom of small, but deep, canyon, and along most of the washes which contain a supply of water.

FIELD ASSISTANTS

16-57565-2

CERTIFICATE OF CADASTRAL ENGINEER

Craig P. Sylvester, Cartographic Survey Aid
 We, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that

pursuant of special instructions bearing date of the 12th day of October, 1957

we have surveyed the south, east, west, and north boundaries and a portion of the
subdivisional lines in Township 32 South, Range 19 East.

of the Salt Lake Meridian, in the State of Utah, which is

represented in the foregoing field notes as having been executed by us and under our direction; and that

said survey has been made in strict conformity with said instructions, the Manual of Instructions for the

Survey of the Public Lands of the United States, and in the specific manner described in the foregoing

field notes.

Salt Lake City, Utah

March 11, 1957

Craig P. Sylvester
 Craig P. Sylvester, Cartographic Survey Aid

Donald A. Cannon
 Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastral Engineer, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 17th day of March, 1957
I have supervised the survey of the South, East, West, and North boundaries and a
portion of the subdivisional lines in Township 32 South, Range 19 East.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed under my supervision; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

March 18, 1957

Vern E. Lane

Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 1957

The foregoing field notes of the survey of the South, East, West, and North boundaries
and a portion of the subdivisional lines in Township 32 South, Range 19 East.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern E. Lane.

having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey

of the

North Boundary

and

Sections 2 and 16

and

The North Two Miles

of the

Third Meridional Section Line

of

Township 32 South, Range 20 East

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Vern E. Lane, Chief of Party

Fred R. Chappell, Cadastral Surveyor

Craig P. Sylvester, Cartographic Survey Aid

Under special instructions dated October 12, 1954, which provided

for the surveys included under Group No. 403, approved November 22, 1954

and assignment instructions dated April 22, 1957

Survey commenced June 4, 1957

Survey completed June 7, 1957

INDEX DIAGRAM

Township 32 South, Range 20 East

5 6	4 5	3 4 11	3 8	2 8 2 6 7	1 1
7	8	9 10	10	11	12
18	17	13 12 16 9 8	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Township 32 South, Range 20 East

Chains

The south and east boundaries and sections 20, 29 and 32 were surveyed by Stewart and Anderson in 1911. The west boundary, a portion of the south boundary, and section 36 were surveyed by Donald A. Cannon in 1956.

The following field notes are those of the survey of the north boundary and sections 2 and 16, and the north two miles of the third meridional section line of T. 32 S., R. 20 E.

The survey was executed with Buff and Buff light mountain solar transits, serial Nos. 14191 and 26066, both equipped with improved telescopic solar attachments constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the survey and were maintained in proper adjustment throughout the progress of the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from an altitude observation on the sun for azimuth, supplemented by other numerous solar observations and augmented by use of the solar attachment, which was periodically checked on a meridian established by Polaris observations.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true methods, but for simplification of the record, the random lines are omitted from these field notes. In accordance with the intent of the special instructions, all subdivisional corners established were calculated to be at the positions they would occupy if the entire township were to be subdivided.

Measurements were made with Chicago narrow steel tapes, 8 chains in length, graduated every 1/10 link for the first link, every link for the next 99 links, and thereafter at intervals of every 10 links. The tapes were tested by comparison with a 1-chain standard steep tape and found to be correct. Measurements were made on the slope, the vertical angle of each interval was ascertained by two clinometers in good adjustment, and the horizontal equivalents only are entered in this field note record. All lines of this survey were run by direct method where the lines were accessible, lines inaccessible to chaining were run by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position of the SE. corner of section 16 is latitude 37° 59' 20" N. and longitude 109° 43' 04" W., as determined by traverse from U. S. G. S. Triangulation Station "House", situated in unsurveyed section 1 of T. 32 S., R. 18 E. The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 15° E.

Survey of the North Boundary, T. 32 S., R. 20 E.

Beginning at the cor. of Ts. 31 and 32 S., Rs. 20 and 21 E., which is mkd. by an iron post, 3 ins. diam., conforming to the record.

Thence

S. 89° 56' W., bet. secs. 1 and 36.

Over broken desert land, through medium timber and scant undergrowth; desc. 90 ft. along broken S. slope.

Survey of the North Boundary, T. 32 S. R. 30 E.

Chains

17.00

Head of deep draw, drains S. 80° E.; asc. 425 ft. over broken SE. slope.

30.00

Sandstone rim, bears NE. and SW.; asc. 25 ft. over E. slope.

38.40

Same rim, bears N. 5° W. and S. 0° E.; desc. 15 ft.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T31S R20E

 $\frac{1}{4}$ S36

S 1

T32S

1957

Asc. 30 ft.

41.70

Rim, bears S. 85° W. and N. 85° E.; asc. 130 ft. over E. slope.

71.50

Top of a rocky knoll; cont. ascent over E. slope.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R20E

 $\frac{1}{4}$ S35 S36

S 2 S 1

T32S

1957

Deposit a sandstone, 4x4x2 ins., mkd. with a cross (X) at the base of the post.

Land, broken desert.

Soil, sandy clay, with sandstone boulders and exposed sandstone.

Timber, medium dense juniper and pinion.

Undergrowth, scattered black brush, service berry, mountain rush, yellow top and grass.

S. 89° 56' W., bet. secs. 2 and 35.

Over broken desert land, through medium timber and scant undergrowth; asc. 45 ft. over E. slope.

11.50

Ridge, bears N. and S.; desc. 20 ft.

18.00

Rim facing W., bears N. 20° E. and S. 10° W.; desc. 465 ft. over broken W. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R20E

 $\frac{1}{4}$ S35

S 2

T32S

1957

42.00

Rim of sandstone ledges, bears N. and SE.; desc. 320 ft. over ledges.

49.00

Fork of Davis Canyon, drains N.; asc. 320 ft. over ledges facing E.

Survey of the North Boundary, T. 32 S., R. 20 E.

Chas	
65.30	Top of narrow point, projects N.; thence across head of gulch draining N. ()
78.00	The E. wall of an inaccessible point extending N.
80.00	True point for the cor. of secs. 2, 3, 34 and 35 falls on sandstone point where the cor. cannot be perpetuated; cor. not monumented.
	Land, broken desert. Soil, sandy loam, with sandstone ledges, boulders and exposed sandstone. Timber, scattered juniper and pinion. Undergrowth, scant mountain rush, black brush, service berry, owiump and grass.
	S. 89° 56' W., bet. sec. 3 and 34. Over broken desert land, through scattered timber and scant undergrowth; desc. 280 ft. over W. wall of a rocky point.
14.00	Main fork of Davis Canyon, drains N. 15° E.; asc. 520 ft. over ledges facing E.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34 falls on a ledge where the cor. cannot be perpetuated.
46.00	W. rim of the main fork of Davis Canyon, bears N. and SE.
46.50	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd. T31S R20E $\frac{1}{4}$ S34 W S 3 C T32S 1957
	Asc. 40 ft. over E. slope.
55.50	Spur, projects N. 30° E.; desc. 50 ft. over ledges facing W.
71.00	Draw, drains N. 30° E.; asc. 360 ft. over ledges facing E.
79.08	The true point for the closing cor. of secs. 3 and 4, hereinafter described.
80.00	Point for the cor. of secs. 33 and 34, T. 31 S., R. 20 E., falls on E. face of an inaccessible ledge. Land, broken desert. Soil, sandy loam, exposed sandstone and boulders. Timber, scattered juniper and pinion. Undergrowth, scant bitter brush, sagebrush, service berry, Owiump and grass.
	S. 89° 56' W., on the S. bdy. of sec. 33, T. 31 S., R. 20 E., counting dist. from the true point for the cor. of secs. 33 and 34. Over broken desert land, through scattered timber and scant undergrowth; asc. 160 ft. over ledges facing E.
3.02	The witness closing cor. of secs. 3 and 4, an iron post, 2½ ins. diam., hereinafter described:
3.70	Point selected for the witness cor. of secs. 33 and 34, T. 31 S., R. 20 E.

North Boundary, T. 32 S., R. 20 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., on a sandstone spur projecting N. 30° E., over a cross (X) cut in solid rock, and in a large mound of stone, with brass cap mkd.

T31S R20E

S33/S34 W

S 4 C

T32S

1957

Desc. 320 ft. over broken NW. slope.

18.50 Draw, fork of Davis Canyon, drains NE.; asc. 600 ft. over ledgy E. slope.

33.00 W. rim of Davis Canyon, bears N. and S.

40.00 Point for the ¼ sec. cor. of sec. 33, T. 31 S., R. 20 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a large mound of stone, with brass cap mkd.

T31S R20E

¼ S33

T32S

1957

Deposit a sandstone, 5x3x2 ins., mkd. with a cross (X) at the base of the post.

Asc. 35 ft. over E. slope.

46.00 Divide bet. Salt Creek Canyon and Davis Canyon, bears N. and S.; desc. 40 ft.

56.00 Spur ridge, projects N.; desc. 440 ft. over series of ledges facing W. on the E. rim of E. fork of Salt Creek.

73.50 Draw, drains N. about 14.00 chs., thence W.

80.00 True point for the cor. of secs. 32 and 33, T. 31 S., R. 20 E., falls on the N. slope of sandstone rib, where the cor. cannot be perpetuated

Land, broken desert.

Soil, sandy clay loam, with exposed sandstone.

Timber, dense juniper and pinion the first half mile; scattered juniper and pinion the balance.

Undergrowth, scattered black brush, sagebrush, greasewood and grass.

S. 89° 56' W., on the S. bdy. of sec. 32, T. 31 S., R. 20 E.

Over broken desert land, through scattered patches of timber and scattered undergrowth.

1.00 Point for the witness cor. of secs. 32 and 33, T. 31 S., R. 20 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T31S R20E

S32/S33 W

S 5 C

T32S

1957

Deposit sandstone, 6x4x4 ins., mkd. with a cross (X) at the base of the post.

North Boundary, T. 32 S., R. 20 E.

Chains	Thence over a series of sandstone spurs and ribs extending N.
24.00	Enter nearly level bottom land, bears N. and S. 60° W.
32.50	Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 32, T. 31 S., R. 20 E. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T31S R20E S32 C T32S 1957
37.00	Leave bottom land, bears N. and S.; asc. about 200 ft. on inaccessible sandstone knob.
40.00	True point for the $\frac{1}{4}$ sec. cor. of sec. 32 falls on a sandstone knob, where the cor. cannot be perpetuated; desc. about 200 ft. abruptly.
43.00	Enter bottom land covered with dense sagebrush.
59.40	Wash, the E. fork of Salt Creek, drains NW.
69.00	Leave bottom land, end of spur projects from S. 80° W.; asc. 40 ft. along N. slope.
80.00	True point for the cor. of secs. 31 and 32 falls on the steep N. slope of a sandstone ledge where the cor. cannot be perpetuated. Land, broken desert. Soil, sandy clay loam, with barren sandstone outcroppings. Timber, scattered juniper and pinion. Undergrowth, dense sagebrush and rabbit brush in the bottom land, scattered the balance.
<hr/>	
	S. 89° 56' W., on the S. bdy. of sec. 31, T. 31 S., R. 20 E.
	Over broken desert land, through scattered timber and scant undergrowth.
1.00	Point selected for the witness cor. of secs. 31 and 32, T. 31 S., R. 20 E. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T31S R20E S31 S32 W S 6 C T32S 1957
	Asc. 120 ft. over irregular sandstone formations draining N.
25.00	Spur, projects N.; desc. 200 ft. over broken W. slope.
34.50	Draw, drains NW. 2.00 chs., thence NE.; asc. 45 ft.
39.50	Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 31. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a large mound of stone, with brass cap mkd.

North Boundary, T. 32 S., R. 20 E.

Chains

T31S R20E

W 1/4 S31

C1 T32S

1957

Deposit a sandstone, 6x4x3 ins., mkd. with a cross (X) at the base of the post.

40.00 True point for the 1/4 sec. cor. of sec. 31 falls on a sandstone ledge facing E. where the cor. cannot be perpetuated.

Asc. 120 ft. over ledges facing NE.

47.20 Sandstone spur, projects NE.; desc. 200 ft. abruptly over NW. slope.

53.00 Gulch, drains NE.; asc. about 360 ft. abruptly.

60.00 Top of a line of sandstone spires, bears NE. and SW.; desc. about 360 ft. over rough sandstone formations facing NW.

72.00 Wash in a box canyon, drains NE.; asc. about 500 ft. over precipitous E. sandstone slope.

77.09 True point for the cor. of Ts. 31 and 32 S., Rs. 19 and 20 E., from which its witness cor. bears N. 3.80 chs. dist, an iron post, 2 1/2 ins. diam., conforming to the record.

Land, broken desert.

Soil, sandy clay loam, with barren sandstone.

Timber, scattered patches of juniper and pinion.

Undergrowth, scant bitter brush, black brush, sagebrush, grass and weeds.

Portion of the Subdivision, T. 32 S., R. 20 E.

Beginning at the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., which is mkd. by an iron post, 2 1/2 ins. diam., conforming to the record.

Thence

S. 0° 01' E., bet. secs. 1 and 2.

Over broken desert land, through scattered timber and scant undergrowth.

1.90 Rim facing S., bears E. and W.; desc. 520 ft. over a S. changing to SE. slope.

26.00 Draw, drains E.; asc. 400 ft. over N. slope.

36.40 Spur, projects E. from SW.; desc. 65 ft. over SE. slope.

39.80 Point selected for the witness 1/4 sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T32S R30E

S2 1/4 S1

W 1/4

1957

39.85 True point for the 1/4 sec. cor. of secs. 1 and 2 falls on a sandstone boulder where the cor. cannot be perpetuated.

Desc. 95 ft. over SE. slope.

44.00 Draw, drains E.; asc. 360 ft. over NE. slope.

Portion of Subdivision, T. 32 S., R. 20 E.

Chains	
57.40	Sandstone rim, facing NE., bears SE. and NW.; asc. 25 ft. over NE. slope.
60.30	Spur, projects E.; desc. along gentle SE. slope.
75.90	Sandstone rim, bears NE. and SW.; desc. 80 ft.
79.00	Draw, drains E.
79.85	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T32S R20E S 2 S 1 S11 S12 • 1957
	Deposit a sandstone, 4x4x2 ins., mkd. with a cross (X) at the base of the post.
	Land, broken desert.
	Soil, sandy clay, with exposed sandstone.
	Timber, medium juniper and pinion.
	Undergrowth, scattered service berry, bitter brush, yucca, mountain rush, sagebrush, yellow top and grass.
	N. 89° 57' W., bet. secs. 2 and 11.
	Over broken land, through dense timber and scant undergrowth; asc. 80 ft. over E. slope.
4.00	Rim, bears NE. and SW.; asc. 130 ft. over E. slope.
30.00	Sandstone rim, 20 ft. high, bears N. 80° W. and S. 80° E.; Desc. 85 ft. along S. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T32S R20E ¼ S 2 S11 1957
	Deposit a sandstone, 5x3x3 ins., mkd. with a cross (X) at the base of the post.
	Cont. along a S. slope.
60.00	Saddle in ridge, bears S. 80° W. and N. 80° E.; desc. 100 ft. along a NW. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	T32S R20E S 3 S 2 S10 S11 1957

Portion of Subdivision, T. 32 S., R. 20 E.

Chains

Deposit a sandstone, 4x4x2 ins., mkd. with a cross (X) at the base of the post.

Land, broken desert.
Soil, sandy clay, with exposed sandstone.
Timber, dense juniper and pinion the first half mile; scattered juniper and pinion the balance.
Undergrowth, scattered sagebrush, bitter brush, service berry, yellow top, mountain rush and grass.

N. 0° 04' E., bet. secs. 2 and 3.

Over broken land, through medium timber and scant undergrowth; desc. 60 ft. over N. slope.

9.00 Head of draw, drains N. 30° E., thence along an E. slope.

22.00 Spur, slopes N. 20° E.; desc. 120 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T32S R20E

S3|S2

1957

Deposit a sandstone, 5x5x2 ins., mkd. with a cross (X) at the base of the post.

Desc. 80 ft. over gentle N. slope.

72.00 Sandstone rim, 70 ft. high, bears NE. and SW.; desc. 240 ft. over ledges facing NW.

79.82 True point for the cor. of secs. 2, 3, 34 and 35.

Land, broken desert.
Soil, sandy clay loam, with sandstone ledges and outcroppings.
Timber, medium juniper and pinion.
Undergrowth, scattered service berry, owiump, bitter brush, yucca, black brush and grass.

Beginning at the true point for the cor. of secs. 16, 17, 20 and 21, from which its witness cors. bear S. 0° 03' E., 6.55 chs. dist. and W. 4.87 chs. dist., sandstones 24x10x8 ins., set, mkd. and witnessed as described in the official record.

East, bet. secs. 16 and 21.

Note: Surveyed by traverse, true line topography scaled from U. S. G. S. topographic maps.

Over broken land; asc. 200 ft. over series of sandstone ledges facing W.

14.00 Top of ridge, bears N. 10° W. and S.; desc. 420 ft. over ledgy NE. slope.

Portion of Subdivision T. 32 S., R. 20 E.

Chains 25.00	Slope changes to N.; asc. 80 ft. along N. slope of spur bearing N. 80° E.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21 falls on face of inaccessible ledge; asc. 40 ft. over NW. slope.
45.00	Spur, bears N. 80° E. 2 chs. to end; desc. 80 ft. over SE. slope into Big Pocket.
48.00	Wash, drains N. 75° W., 8 chs., thence N.; asc. 20 ft.
49.20	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T32S R20E W $\frac{1}{4}$ S16 C S21 1957 Desc. 10 ft. over rolling bottom of Big Pocket.
61.60	Wash, drains N.; asc. 30 ft. over rolling land.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd. T32S R20E S16 S15 S21 S22 1957 Land, broken and rolling. Silt, sand and exposed sandstone. Timber, scattered juniper and pinion. Undergrowth, heavy growth of sagebrush on rolling land.
22.00	N. 0° 02' W., bet. secs. 15 and 16. Over rolling bottom of Big Pocket; desc. 65 ft. Wash, drains NW.
32.45	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. T32S R20E W C $\frac{1}{4}$ S16 S15 1957 Asc. 80 ft. over S. slope.
35.00	Spur, slopes W.; desc. 100 ft. over NW. slope into cove.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16 falls on steep NW. sandstone slope and cannot be perpetuated. Thence over sandstone surface in a cove opening to the W.
50.00	Wash in cove, drains SW.

Chains		
55.00	Base of series of sandstone ledges, bears N. 50° W. and S. 40° E., asc. 640 ft. abruptly.	40° E.
64.00	S. rim of bench, bears E. and W.; asc. 120 ft. over bench.	60.00
80.00	Point for the cor. of secs. 9, 10, 15 and 16.	60.00
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.	
	T32S R20E S 9 S10 S16 S15 1957	
	Cor. falls at base of steep SW. slope.	
	Land, rolling and broken.	
	Soil, sand and exposed sandstone.	
	Timber, scattered juniper and pinion at higher elevations.	
	Undergrowth, heavy growth of sagebrush on lower elevations.	
	N. 0° 02' W., bet. secs. 9 and 10.	
	Over broken land, through scattered timber; asc. 240 ft. over broken SW. slope.	
8.00	Slope changes to W.; desc. 200 ft. along broken W. slope beneath Cedar Mesa.	
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	T32S R20E ¼ S 9 S10 1957	
	Desc. 200 ft. over broken NW. slope.	
60.00	Spur, slopes NW. 10 chs. and ends in an abrupt point; desc. 170 ft. over broken N. slope.	
70.27	Point selected for the witness cor. of secs. 3, 4, 9 and 10.	
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	T32S R20E W C S 4 S 3 S 9 S10 1957	
	Desc. 10 ft. over N. slope.	
70.50	Rim, bears E. and NW.; desc. 200 ft. along series of ledges facing E. and overlooking the head of a deep ravine draining E.	

Portion of Subdivision, T. 32 S., R. 20 E.

Chains 80.00	<p>True point for the cor. of secs. 3, 4, 9 and 10 falls on inaccessible ledges facing E.</p> <p>Land, broken. Soil, sand and exposed sandstone. Timber, very scattered juniper and pinion.</p>
	<p>N. 0° 02' W., bet. secs. 3 and 4.</p> <p>Over broken land; desc. 450 ft. over ledges facing NE.</p>
11.00	Bottom of ravine, drains E.; asc. 600 ft. over ledges facing S.
18.60	N. rim of ravine, bears N. 80° W. and S. 80° E.; asc. 40 ft. over gentle S. slope, through scattered timber.
24.00	Top of ascent; desc. 50 ft.
30.50	S. rim of ravine, bears E. and W. on curve to N.; desc. 240 ft. over ledges.
40.00	True point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 4 falls in inaccessible ravine draining E.; asc. 240 ft. over ledges facing S.
46.00	N. rim of ravine, bears W. and N. 70° E., thence over point projecting NE.
46.31	<p>Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 3 and 4.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T32S R20E</p> <p>$\frac{1}{2}$</p> <p>S4 S3</p> <p>W C</p> <p>1957</p> </div> <p>Asc. 15 ft. over top of point projecting NE. through scattered timber.</p>
58.00	Point, projects NE.; desc. 80 ft. over N. slope.
60.00	S. rim of deep ravine, bears N. 70° E. and N. 10° W.; desc. 200 ft. over ledges.
79.54	<p>Intersect the S. bdy. of sec. 34, T. 31 S., R. 20 E. at the point for the closing cor. of secs. 3 and 4, which falls in inaccessible ledges facing E.</p> <p>From this point, the true point for the cor. of secs. 33 and 34, T. 31 S., R. 20 E., bears S. 89° 56' W., 92 lks. dist.</p> <p>From the true point for the closing cor. of secs. 3 and 4, the point selected for its witness cor. bears S. 89° 56' W., 3.94 chs. dist; at this point</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 3$\frac{1}{2}$ ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T31S R20E</p> <p>S34 W</p> <p>S3 S4 C</p> <p>C C</p> <p>T32S R20E</p> <p>1957</p> </div>

Chains

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinion on points.

From the true point for the cor. of secs. 16, 17, 20 and 21, from which its witness cors. bear S. 0° 03' E., 6.55 chs. dist. and W. 4.87 chs. dist., sandstones 24x10x8 ins., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 16 and 17.

Note: True line is inaccessible, surveyed by traverse; true line topography scaled from U. S. G. S. topographic maps.

Along broken W. face of a point projecting N. between E. fork of Salt Creek and Big Pocket.

31.50 Top of ridge, bears S. 10° E. and N. 30° E.; desc. 160 ft. over ledges facing N.

35.20 Base of descent; desc. 10 ft. over bottom of cove in Salt Creek Canyon.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T32S R20E

$\frac{1}{4}$
S17 | S16
1957

Asc. 40 ft. over bottom of cove.

48.60 Sandstone spur, extends N. 40° W., 12 chs. to end; desc. 50 ft. over rolling land in Big Pocket.

78.09 Point selected for the witness cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

T32S R20E

W C

S 8 | S 9
S17 | S16
1957

Cont. over bottom of Big Pocket.

78.20 Base of sandstone ledges, bears W. and NE.; asc. 40 ft. over ledges facing SE.

80.00 True point for the cor. of secs. 8, 9, 16 and 17 falls on inaccessible ledges where the cor. cannot be perpetuated.

Land, broken and rolling.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinion with scattered patches of oak and cottonwood in canyon bottom.

Portion of Subdivision, T. 32 S., R. 20 E.

Chains	
	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 54' W., bet. secs. 9 and 16.
	Over small bench, through medium timber; desc. 90 ft.
20.00	W. edge. of bench, bears N. and S.; desc. 200 ft. along broken sandstone ledges facing W. and SW.
30.00	Slope changes to broken S.
40.04	True point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16 falls on inaccessible ledges and was not monumented; cont. along broken inaccessible ledges facing S.
47.00	Sandstone point, extends from N.; desc. 360 ft. over ledges facing W.
58.00	Base of ledges, bears N. and SE., thence over rolling bottom of Big Pocket.
66.00	End of sandstone point projecting from S. 60° E.
78.50	Base of ledges facing SE., bears N. and S.; asc. 40 ft. over E. slope.
80.09	True point for the cor. of secs. 8, 9, 16 and 17.
	Land, broken and rolling.
	Soil, sand and exposed sandstone.
	Timber, medium growth of pinion and juniper on benches, patches of oak along base of ledges.

General Description

The general elevation of T. 32 S., R. 20 E. ranges from approximately 7200 ft. above sea level in the south middle portion of the township to approximately 5600 ft. in the NE. corner of the township.

The land is rough and broken, with a sandy soil, cut by numerous rims, ledges and washes, and is covered with a scattered growth of scrub juniper and pinion.

The east fork of Salt Creek Canyon, which heads in the northern portion of section 33 and drains northwest through the township, leaves the township in the northwest corner of section 5 on the north boundary.

The east portion of the township is drained to the east by Lavender and Davis Canyons.

There is a horse trail through the east fork of Salt Creek Canyon, with a junction near the north boundary of section 33. This lower trail, known as Bright Angels Trail, traverses east and west through and along the south portion of the township and joins a good road in the middle portion of section 34. This main road enters the township on the south boundary of section 34 and leaves the township in the northeast portion of section 36.

The township is spectacular in its ruggedness and features multi-colored spires and cliffs. There are many natural arches in this area.

Access to the survey lines was provided by helicopters and the survey would have been impossible by an other means of transportation.

FIELD ASSISTANTS

16—53565-2

CERTIFICATE OF CADASTRAL ENGINEER

We

Fred R. Chappell and Craig P. Sylvester, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 12th day of October, 1957.

We

have surveyed the north boundary, sections 2 and 16, and the north two miles of the
third meridional section line of Township 32 South, Range 20 East.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed by us and under our direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

September 5, 1957

Salt Lake City, Utah

Fred R. Chappell
 Fred R. Chappell, Cadastral Surveyor
Craig P. Sylvester
 Craig P. Sylvester, Cartographic Surveyor
 Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

 Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

 Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE RESURVEY OF

A PORTION OF THE SOUTH BOUNDARY

AND

SURVEY OF

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 32 SOUTH, RANGE 20 EAST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Donald A. Cannon Cartographic Survey Aid

Under special instructions dated October 12, 1954, which provided
for the surveys included under Group No. 403, approved Nov. 22, 1954
and assignment instructions dated August 2, 1956.

Survey commenced August 28, 1956.

Survey completed August 30, 1956.

INDEX DIAGRAM

Township 32 South, Range 20 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
					37
					38
					39
					40
					41
					42
					43
					44
					45
					46
					47
					48
					49
					50
					51
					52
					53
					54
					55
					56
					57
					58
					59
					60
					61
					62
					63
					64
					65
					66
					67
					68
					69
					70
					71
					72
					73
					74
					75
					76
					77
					78
					79
					80
					81
					82
					83
					84
					85
					86
					87
					88
					89
					90
					91
					92
					93
					94
					95
					96
					97
					98
					99
					100

T. 32 S., R. 20 E.

Chains

The S. and E. bdy. of T. 32 S., R. 20 E. were surveyed by Stewart and Anderson in 1911.

The following field notes are those of a resurvey of a portion of the S. bdy. and a portion of the subdivision in T. 32 S., R. 20 E. deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of the state school sec. 36.

The survey was executed with Gurley solar transit number 541331, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work and was tested and checked frequently during the progress of the survey.

The directions of all lines herein reported, were determined by deflecting from meridians established by observations upon the sun and Polaris throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The measurements were made on the slope, the vertical angles determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the SE. cor. of the Tp. is Latitude $37^{\circ} 56' 45''$ N. and Longitude $109^{\circ} 39' 46''$ W., as scaled from U. S. G. S. topographic Maps.

The magnetic declination was found to be $15^{\circ} 00'$ E.

Dependent Resurvey of a Portion of the S. Bdy., T. 32 S., R. 20 E.

Reestablishment of the survey executed by Stewart and Anderson in 1911.

Beginning at the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, on the S. bdy. of the Tp., marked with an iron post, 1 inch diam., set, marked and witnessed as described in the official record.

West, bet. secs. 1 and 36.

Over the top of a mesa, through dense juniper and pinon, asc. 20 ft. over E. slope.

6.60 Rim of mesa, a ledge about 20 ft. high, bears N. 70° E. and S. 70° W.; desc. 140 ft. along NW. slope.

28.60 Wash, 10 lks. wide, 3 ft. deep, course N. 60° E.; asc. 180 ft. over SE. slope.

39.06 The cor. of secs. 1, 2, 35 and 36, monumented with an iron post, 3 inches diam., set, marked and witnessed as described in the official record. As this cor. no longer functions as the cor. of secs. 35 and 36 of T. 32 S., R. 20 E.; I alter the marks on the brass cap to read

Chains

S 2 | S 1

T33SR20E

1956

1911

Asc. 40 ft. over broken SE. slope.

40.00 Point for the cor. of secs. 35 and 36, T. 32 S., R. 20 E.

Set an iron post, 36 inches long, 1 inch diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, 2 ft. high, with brass cap marked

T32SR20E

S35 | S36

1956

Land, rolling and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered to dense juniper and piñon.

Portion of the Subdivision of T. 32 S., R. 20 E.

From the cor. of secs. 35 and 36, on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Over rough broken land; asc. 450 ft. abruptly over steep talus SE. slope and high ledges.

9.00 Top of the E. end of a high sandstone butte; desc. 500 ft. over high ledges on NE. slope.

21.60 Base of steep slope, bears N. 80° W. and SE.; desc. 60 ft. along rolling E. slope.

35.30 Wash, 30 lks. wide, 3 ft. deep, course NE. about 5 chs. and thence SE. asc. 10 ft. along SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground and in a mound of stone, 2 ft. base, to top with brass cap marked

T32SR20E

S35 | S36

1956

Asc. 20 ft. along rolling E. slope.

57.00 Leave timber, bears N. 80° W. and S. 80° E.; asc. 20 ft. over gentle SE. slope.

74.50 Bladed road, from Indian Creek to Elk Ridge, bears N. 80° W. and S. 80° E.; continue along slight SE. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground and in a mound of stone, 2 ft. base, to top with brass cap marked

T. 32 S., R. 20 E.

Chains

T32SR20E

S26|S25

S35|S36

1956

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, medium dense juniper and pinon.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented by an iron post, 3 inches diam., set, marked and witnessed as described in the official record.

S. 89° 58' W., bet. secs. 25 and 36.

Over rolling land through medium dense juniper and pinon; asc. 30 ft. along rolling S. slope.

33.40 Drain, course SE.; asc. 20 ft. over E. slope.

39.96 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 20 inches in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base to top with brass cap marked

T32SR20E

 $\frac{1}{4}$ S25

S36

1956

Asc. 30 ft. over E. slope.

52.50 Leave timber, bears N. and S.; asc. 80 ft. over E. slope.

79.92 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.
Soil, sand and exposed sandstone.
Timber, medium dense juniper and pinon.

General Description

The NW. portion of sec. 36 is located on Salt Creek Mesa and the SE. portion of the sec. drains SE. into Stevens Canyon.

The timber is composed of medium growth of pinon and juniper, varying from scattered to dense. Undergrowth consists of small trees and sagebrush.

A bladed road, from Elk Ridge to Indian Creek and Monticello, Utah passes through the N. portion of the sec.

There are several uranium claims staked within the sec.

No source of water was found within the sec.

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 12th day of October,

I have ~~surveyed~~ resurveyed a portion of the south boundary and a portion of the
subdivision of Township 32 South, Range 20 East.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

March 15, 1957

Donald A. Cannon
Donald A. Cannon

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19__

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Office

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Photogrammetrist, HEREBY CERTIFY upon honor and
pursuance of special instructions bearing date of the 12th day of October

I have ~~surveyed~~ supervised the resurvey of a portion of the south boundary and a
portion of the subdivisional lines in township 32 south, range 20 east.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed ~~by me~~ under my supervision
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

March 15, 1957

Vern E. Lane, Cadastral Surveyor

Vern E. Lane

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the ~~survey~~ resurvey of a portion of the south boundary
and a portion of the subdivisional lines in township 32 south, range 20 east.

executed by Donald A. Cannon under the supervision of Vern E. Lane

having been critically examined and found correct, are hereby approved.

Donald B. Clement
Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF

THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 32 $\frac{1}{2}$ SOUTH, RANGE 14 EAST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Donald A. Cannon Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided
for the surveys included under Group No. 400, approved April 4, 1955
and assignment instructions dated April 23, 1956

Survey commenced June 13, 1956

Survey completed July 31, 1956

INDEX DIAGRAM

Township 32 1/2 South, Range 14 East

6	5	4	3	2	1	
7	8	9	10	11	12	
13	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	2
	6				4	
31	5 32	4 33	34	35	3 36	1

T. 32 S., R. 14 E.

Chains

The west boundary was surveyed by Cannon G. Parkinson in 1955 and the south boundary was surveyed by Cannon G. Parkinson and George B. Voorhees in 1955. The north boundary was surveyed concurrently with the survey of this township and is described in the field notes of the survey of T. 32 S., R. 14 E.

The following notes are those of the east boundary and a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with Gurley solar transit number 541331, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in good adjustment prior to the beginning of the field work and was checked and tested frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations on the sun and Polaris during the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length, these tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length and found to be correct. The measurements were made on the slope; the distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the SE. cor. of the township is latitude 37° 56' 43.2" N. and longitude 110° 19' 14.5" W. as computed from U. S. G. S. triangulation station "Orange", located in sec. 32, T. 32 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and found to be 15° E.

East Boundary, T. 32 S., R. 14 E.

From the cor. of Ts. 32 S. and 33 S., Rs. 14 and 15 E., marked by an iron post, 2 1/2 lbs. diam., set, marked and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over rolling bench land; desc. 10 ft. along NW. slope.

17.10 Drain, course SW.; asc. 10 ft. along SE. slope.

21.00 Spur, slopes SW.; desc. 20 ft. along NW. slope.

35.20 S. edge of a small draw, bears N. 70° E. and S. 70° W.; desc. 40 ft. along NW. slope.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 2½ ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap marked
	Thence over nearly level bottom of draw.
41.00	Center of flat drain, course W.; asc. 100 ft. along SW. slope.
75.50	Top of ascent, slopes W.; desc. 30 ft. along NW. slope.
80.00	Point for the cor. of secs. 25, 30, 31, and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked
	Land, rolling benchland. Soil, shallow sand and exposed shale. No timber.
	North, bet. secs. 25 and 30.
	Over rolling benchland, through thinly scattered scrub juniper; desc. 90 ft. along rolling NW. slope.
17.10	Wash, 20 lks. wide, 1 ft. deep, course N. 80° W.; asc. 40 ft. over S. slope.
21.00	Minor spur, slopes W.; desc. 40 ft. over N. slope.
23.80	Wash, 40 lks. wide, 2 ft. deep, course S. 80° W.; asc. 10 ft. over S. slope.
25.80	Trail road, bears N. 80° E. and W. about 3 chs. and thence N.; asc. 70 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 1 ft. base to top, with brass cap marked
	Desc. 10 ft. along rolling W. slope.
63.30	S. rim of a small gulch, a ledge about 10 ft. high, bears NE. and SW. desc. along rocky NW. slope.
65.30	Wash, in gulch, 20 lks. wide, 2 ft. deep, course W.; asc. 20 ft. along SE. slope.
69.51	Intersect the S. bdy. of sec. 36, T. 32 S., R. 14 E.; point for the closing cor. of T. 32 S., R. 14 and 15 E.

E. Bdy., T. 32 $\frac{1}{2}$ S., R. 14 E.

Chains

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 20 inches in the ground with brass cap marked

T32SR14E

S36
S25 | S30

C C

R14E R15E

T32 $\frac{1}{2}$ S

1956

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of the iron post.

From this closing cor., the $\frac{1}{2}$ sec. cor. of sec. 36, T. 32 S., R. 14 E., bears East, 2.59 chs. dist.; an iron post, 2 $\frac{1}{2}$ inches diam., set, marked and witnessed as described in the field notes of the survey of T. 32 S., R. 14 E.

Land, rolling benchland.

Soil, shallow sand and exposed shale.

Timber, thinly scattered scrub juniper.

Portion of the Subdivision, T. 32 $\frac{1}{2}$ S., R. 14 E.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ inches diam., conforming to the field notes of the 1955 survey.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling benchland, asc. 40 ft. along rolling S. slope.

36.30 Trail road, bears N. 10° E. and S. 10° W.; asc. 10 ft. over SE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 8 inches in the ground and in a mound of stone, 3 ft. base, to top with brass cap marked

S35 | S36
1956

Asc. 10 ft. over SE. slope.

40.80 Ridge, bears N. 10° E. and S. 10° W.; desc. 80 ft. along rolling W. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 6 inches in the ground and in a mound of stone, 3 ft. base, to top with brass cap marked

T32 $\frac{1}{2}$ SR14E
S26 | S25
S35 | S36
1956

Land, rolling bench land.

Soil, shallow sand and exposed shale.

No timber.

Chains	
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. S. 89° 59' W., bet. secs. 25 and 36. Over rolling land; asc. 10 ft. over NE. slope.
0.90	Spur, slopes N. 60° W.; desc. 170 ft. over rolling W. slopes.
39.90	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., over an (X) cut in sandstone surface and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top with brass cap marked . W $\frac{1}{4}$ S25. C $\frac{1}{4}$ S36. 1956
39.99	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36, falls on E. rim of a box canyon where the corner cannot be monumented. Desc. 180 ft. over high ledges, facing W.
46.20	Wash, 20 lks. wide, 3 ft. deep, course SW., from N.; asc. 200 ft. over ledges on SE. slope.
56.10	W. rim of same canyon, a ledge, about 80 ft. high, bears N. and S., irregularly; asc. 20 ft. over rolling E. slope.
63.80	Trail road, bears N. 20° E. and S. 20° W.; asc. 40 ft. over rolling E. slope.
72.10	Ridge, bears N. 10° E. and S. 10° W.; desc. 80 ft. over SW. slope.
79.98	The cor. of secs. 25, 26, 35 and 36. Land, rolling benchland. Soil, shallow sand and exposed shale and stone. Timber, thinly scattered scrub juniper.
	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.; an iron post, 2 $\frac{1}{2}$ inches diam., set, marked and witnessed as described in the official record. N. 0° 03' W., bet. secs. 32 and 33. Over rolling and broken sandstone surface; desc. 10 ft. along NE. slope.
4.80	W. inner rim of the Dirty Devil River, bears E. and NE.; asc. 50 ft. along SE. slope.
14.50	Trail road, bears NE. and SW.; asc. 30 ft. along SE. slope.
21.80	Base of steep ascent, bears NE. and SW.; asc. 100 ft. over SE. slope.
28.10	Spur, slopes sharply NE.; desc. 100 ft. along NE. slope.
32.20	Base of steep descent, bears NW. and SE.; desc. 30 ft. along NE. slope.
38.90	Same road, bears NW. and SE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 16 inches in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top with brass cap marked

Portion of the Subdivision, T. 32 $\frac{1}{2}$ S., R. 14 E.

Chains	
SE One	<p style="text-align: center;">S32 S33</p> <p style="text-align: center;">1956</p> <p>Desc. 20 ft. over sandstone surface.</p>
45.50	W. inner rim of the Dirty Devil River, a cliff about 200 ft. high, bears N. 80° W. and S. 80° E.; desc. 200 ft. over N. face of cliff to river.
48.00	The Dirty Devil River, 1 ch. wide and dry at present stage, course E.; asc. 250 ft. over high cliff facing S.
49.50	E. inner rim of the Dirty Devil River, a cliff about 250 ft. high, bears E. and W.; asc. 170 ft. over ledges on SW. slope.
57.50	Spur, slopes S. 80° W., 8 chs. to end; desc. 40 ft. over ledges on NW. slope.
60.00	E. inner rim of the Dirty Devil River, a cliff about 200 ft. high, bears E. and W.; desc. 200 ft. over cliff facing N. to river.
61.50	The Dirty Devil River, course W.; asc. 170 ft. over high ledges, facing S.
66.00	W. inner rim of the Dirty Devil River, a ledge, about 40 ft. high, bears E. and W. irregularly; asc. 40 ft. over SW. slope.
80.00	Point for the corner of secs. 28, 29, 32 and 33.
	<p>Set an iron post, 30 inches long, 2$\frac{1}{2}$ inches diam., 10 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked</p> <p style="text-align: center;">T32$\frac{1}{2}$SR14E S29 S28 S32 S33 1956</p> <p>Land, rough breaks of the Dirty Devil River. Soil, shallow sand and exposed sandstone. Timber, thinly scattered scrub juniper.</p>
	<p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., an iron post, 2$\frac{1}{2}$ inches diam., set, marked and witnessed as described in the official record.</p> <p>N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over broken top of high mesa, through scattered juniper, asc. 300 ft. over ledgy SW. slope.</p>
15.00	E. rim of high mesa, bears S. 10° E. and N., irregularly along line; desc. 100 ft. along inaccessible E. face of high cliff.
	NOTE: The following 65 chs. of the line was inaccessible and only approximate topography is given:
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 32, falls on inaccessible ledges, facing E.; this position cannot be occupied and is not monumented.
80.00	Point for the cor. of secs. 29, 30, 31 and 32, falls on a very steep clay NE. slope where the cor. cannot be perpetuated.

Chains

The point selected for the witness cor. of secs. 29, 30, 31 and 32, bears West, 1.26 chs. dist.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground and in a mound of stone, 3 ft. base, to top with brass cap marked

T32-SR14E
S30/S29 W
S31/S32 C
1956

The witness cor. is located about 3 chs. E. of the base of a high cliff, facing E.

Land, extremely rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over rolling bench land, through thinly scattered juniper; asc. 10 ft. over SE. slope.

5.30 Bladed road, bears N. 30° E. and S. 30° W.; asc. 10 ft. over rolling E. slope.

12.10 Wash, 20 lks. wide, 3 ft. deep, course S. 60° E., drains irregularly from W.; asc. 70 ft.

36.80 Leave wash; drains from NW.; asc. 40 ft. over NE. slope.

38.70 Asc. over a ledge, 20 ft. high, bearing NW. and SE.

38.80 Point selected for the witness ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

W 1 S29
C ¼ S32
1956

Asc. 10 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 29 and 32, falls on face of a small ledge, bearing NW. and SE., where the cor. cannot be monumented.

40.10 Top of steep ascent, bears NW. and S. irregularly; asc. 120 ft. over NE. slope.

63.80 Bladed road, bears N. 20° W. and S. 20° E.; asc. 320 ft. over steep NE. slope.

80.00 The true point for the cor. of secs. 29, 30, 31 and 32.

Land, rolling and broken.
Soil, shallow sand and exposed shale and sandstone.
Timber, thinly scattered juniper.

General Description

T. 32¹ S., R. 14 E.

The terrain in the Tp. is composed of high Wingate cliffs in the W. portion, descending to the Dirty Devil River. The E. portion of the Tp. is benchland draining S. to the Colorado River.

No source of drinking water was found within the Tp. The Dirty Devil River was dry at the time of survey.

A poor road passes through the Tp., connecting Land's End on the Big Ridge with North Wash.

Vegetation consists of a sparse growth of black brush and brigham tea and some scattered bunch grass.

There were several uranium claims within the Tp. but none were being worked commercially at the time of survey.

FIELD ASSISTANTS

W-5300-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 17th day of March

I have surveyed the east boundary and a portion of the subdivisional lines in
township 32½ south, range 14 east.

of the Salt Lake Meridian, in the State of Utah, which a
represented in the foregoing field notes as having been executed by me and under my direction; and th
said survey has been made in strict conformity with said instructions, the Manual of Instructions for t
Survey of the Public Lands of the United States, and in the specific manner described in the foregoi
field notes.

Salt Lake City, Utah

March 15, 1957

Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., 19

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

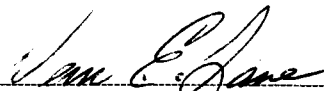
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastral Engineer, HEREBY CERTIFY upon honor that, pursuant to special instructions bearing date of the 17th day of March, 1957, I have supervised the survey of the east boundary and a portion of the subdivision lines in Township 32 $\frac{1}{2}$ South, Range 14 East.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed under my supervision; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 11, 1957


Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 1957

The foregoing field notes of the survey of east boundary and a portion of the subdivision lines in Township 32 $\frac{1}{2}$ South, Range 14 East.

executed by Donald A. Cannon, under the supervision of Vern E. Lane.

having been critically examined and found correct, are hereby approved.


Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF

THE EAST BOUNDARY

AND

PORTIONS

OF

THE SOUTH BOUNDARY AND SUBDIVISION

OF

TOWNSHIP 32 $\frac{1}{2}$ SOUTH, RANGE 15 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Donald A. Cannon Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided

for the surveys included under Group No. 400, approved April 4, 1955

and assignment instructions dated April 23, 1956

Survey commenced July 19, 1956

Survey completed July 23, 1956

INDEX DIAGRAM

Township 32 $\frac{1}{2}$ SOUTH, Range 15 EAST

6	5	4	3	2	1
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
25	26	27	28	29	30 4
	7				5
31 6	32 6	33	34	35 4	36 3
2	1				

212

T. 32½ S., R. 15 E.

Chains

The east four miles of the south boundary of this township were surveyed by G. D. Voorhees in 1955, as the north boundary of township 33 south, range 15 east. The west and north boundaries were surveyed concurrently with the survey of this township and are found in the field notes of T. 32½ S., R. 14 E. and T. 32 S., R. 15 E., respectively.

The following field notes are those of the west 2 miles of the south boundary, the east boundary, and a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with Gurley solar transit No. 541331, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of field work and was tested frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations upon the sun and Polaris throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made by steel tapes, eight chains in length. These tapes were graduated every link for the first chain, and thereafter at intervals of every ten links. The measurements were made on the slope, the vertical angles determined by use of clinometers, and the slope distances properly reduced to their horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct method, where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude 37° 56' 43.4" N., longitude 110° 12' 39.7" W., as computed from U.S.G.S. triangulation station "Orange", located in section 32, T. 32 S., R. 14 E.

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be 15° East.

The West 2 Miles of the South Boundary, T. 32½ S., R. 15 E.

Beginning at the cor. of secs. 4, 5, 32, and 33, marked by the iron post, 2½ ins. diam., set, marked and witnessed as described in the official record.

S. 89° 57' W., bet. secs. 5 and 32.

Over rolling benchland, through scattered timber; desc. 20 ft. over W. slope.

12.30

E. rim of Rock Canyon, a ledge about 40 ft. high, bears N. about 3 chs., thence easterly and S. about 5 chs. thence westerly; desc. 300 ft. over ledge and talus W. slope.

The West 2 Miles of the South Boundary, T. 32½ S., R. 15 E.

Chains

19.50 Drain, course NW.; asc. 60 ft. over NE. slope.

24.40 Top of ascent, slopes N.; desc. 120 ft. over NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base to top, with brass cap marked

$$\begin{array}{r} \frac{S32}{S\ 5} \\ 1956 \end{array}$$

42.10 Drain, course N. 10° W.; asc. 190 ft. over NE. slope.

55.40 Spur, at base of ledge, slopes sharply NW.; desc. 210 ft. over ledges on W. slope.

60.00 Base of abrupt descent, bears N. 10° E. and S. 10° E.; desc. 150 ft. over W. slope.

80.00 Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked

$$\begin{array}{r} T32\frac{1}{2}S\ R15E \\ \frac{S31\ S32}{S\ 6\ S\ 5} \\ T33S \\ 1956 \end{array}$$

Land, rolling bench and breaks of Rock Canyon.
Soil, shallow sand and shale and sandstone exposure.
Timber, scattered juniper.

S. 89° 57' W., bet. secs. 6 and 31.

Along the bottom of Rock Canyon; desc. 20 ft. over W. slope.

4.20 Wash, 30 lks. wide, 4 ft. deep, course S. 10° W.; asc. 10 ft. over E. slope.

9.00 Low spur, slopes S.; desc. 110 ft. over exposed sandstone on W. slope.

20.00 Wash, in bottom of Rock Canyon, 1.20 chs. wide, 40 ft. deep, course S. 10° W.; asc. 120 ft. over exposed sandstone E. slope.

31.50 Base of steep ascent, bears N. and SW.; asc. 220 ft. abruptly over talus slope and high sandstone ledge facing E.

39.60 Asc. over ledge about 60 ft. high, bears N. 10° E. and SW.; asc. 10 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

$$\begin{array}{r} \frac{S31}{S\ 6} \\ 1956 \end{array}$$

The west 2 Miles of the South Boundary, T. 32½ S., R. 15 E.

Chains

Asc. 20 ft. over SE. slope.

40.40

W. edge of Rock Canyon, bears N. 10° E. and SW.; desc. 50 ft. over rolling W. slope.

67.30

Drain, course S.; asc. 30 ft. over SE. slope.

76.50

Low spur, slopes S. 10° W.; desc. 10 ft. over W. slope.

79.85

The cor. of Ts. 32½ and 33 S., Rs. 14 and 15 E.

Land, rolling and breaks of Rock Canyon.

Soil, shallow sand and exposed shale and sandstone,

No Timber.

East Boundary, T. 32½ S., R. 15 E.

From the cor. of Ts. 32½ and 33 S., R. 15 E., and Ts. 32 and 33 S., R. 16 E., monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over rolling land, through scattered timber; asc. 120 ft. over S. slope.

17.50

Spur, slopes S. 30° W.; desc. 10 ft. over NW. slope.

25.40

Drain, course SW.; asc. 100 ft. over S. slope.

40.00

Point for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked

½
S36 | S31
1956

Asc. 60 ft. over SW. slope.

66.70

Spur, slopes S. 70° W.; desc. 30 ft. over N. slope.

73.60

Drain, course N. 80° W. about 6 chs. to junction with wash, from the NE.; asc. 20 ft.

79.70

Wash, 20 lks. wide, 3 ft. deep, course SW.

80.00

Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked

T32½S T32S
R15E | R16E
S25 | S30
S36 | S31
1956

Land, rolling.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

Chains		
	North, bet. secs. 25 and 30.	
	Over rolling land, through scattered timber; asc. 40 ft. over S. slope.	04.04
8.20	Spur, slopes SW.; desc. 20 ft. over NW. slope.	08.76
26.40	S. rim of small gulch, a ledge about 10 ft. high, bears E. and W. irregularly.	08.24
38.70	Wash, in bottom of gulch; 20-lks. wide, 4 ft. deep, course W.; asc. 10 ft. over S. slope.	08.04
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap marked	
	S25 S30	
	1956	
	Asc. 30 ft. over S. slope.	
44.80	Spur, slopes SW.; desc. 60 ft. over NW. slope.	
56.20	Wash, 30 lks. wide, 3 ft. deep, course W, from the NE; asc. 70 ft. over S. slope.	
69.14	Intersect the S. bdy. of sec. 36, T. 32 S., R. 15 E. and point for the closing cor. of T. 32½ S., R. 15 E. and T. 32 S., R. 16 E.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked	
	T32S R15E	
	S 36	
	S25 S30	
	R15E R16E	
	T32½S T32S	
	C C	
	1956	
	From this cor. the ¼ sec. cor. of sec. 36, T. 32 S., R. 15 E., bears East, 1.75 chs. dist.; monumented by an iron post, 2½ ins. diam., conforming to the field notes of T. 32 S., R. 15 E.	
	Land, rolling.	
	Soil, shallow sand and exposed sandstone.	
	Timber, scattered juniper and pinon.	
	Portion of the Subdivision, T. 32½ S., R. 15 E.	
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township, monumented by an iron post, 2½ ins. diam., conforming to the field notes of T. 33 S., R. 15 E.	
	N. 0° 01' W., bet. secs. 35 and 36.	
	Over breaks of Cove Canyon; desc. 130 ft. over N. slope.	
18.50	S. rim of Cove Canyon, a ledge about 80 ft. high, bears NW. and SE; desc. 120 ft. over ledges facing NW.	

Portion of the Subdivision, T. 32½ S., R. 15 E.

Chains 20.20	Wash in the bottom of Cove Canyon, 40 lks. wide, 3 ft. deep, course SE.; asc. 200 ft. over high ledges facing SW.
36.50	N. rim of Cove Canyon, a ledge about 10 ft. high, bears N. 70° W. and S. 70° E.; asc. 10 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base to top, with brass cap marked
	$\frac{1}{4} \frac{S35 S36}{1956}$
40.50	Spur, projects SE. about 15 chs. to the end; asc. 70 ft. along broken E. slope.
80.00	Point for the cor. of secs. 25, 26, 35, and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked
	$\frac{T32\frac{1}{2}S \ R15E}{\frac{S26 S25}{S35 S36} \ 1956}$
	Land, breaks of Cove Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinon.
	From the cor. of secs. 25, 30, 31, and 36. on the E. bdy. of the tp. N. 89° 59' W., bet. secs. 25 and 36.
	Over rolling land, through scattered timber; asc. 20 ft. along S. slope.
15.80	Spur, slopes S. 80° W.; desc. 100 ft. over W. slope.
39.96	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 3½ ft. base to top, with brass cap marked
	$\frac{1}{4} \frac{S25}{S36} \ 1956$
	Desc. 130 ft. over ledges facing W.
60.60	Wash, 30 lks. wide, 3 ft. deep; course SW.; asc. 140 ft. over ledges on SE. slope.
79.92	The cor. of secs. 25, 26, 35, and 36.
	Land, rolling sandstone. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinon.

Chains	
	From the cor. of secs. 4, 5, 32, and 33, set as heretofore described.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over breaks of Rock Canyon, through scattered juniper, 20 ft. W. slope.
23.30	E. rim of Rock Canyon, a ledge about 60 ft. high, bears E. 8 ch. thence north and west; desc. 250 ft. over ledges facing N.
29.60	Wash, 20 lks. wide, 3 ft. deep, course NW.; asc. 10 ft. along W. slope.
33.80	Wash, 10 lks. wide, 2 ft. deep, course SW. about 4 chs. to junct. with wash from the SE.; asc. 130 ft. over ledges on S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
	Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) on sandstone surface and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap marked
	S32 S33 1956
	Asc. 150 ft. over ledges on S. slope.
42.50	Spur, slopes sharply to the W. about 12 chs. to end; desc. 300 ft. over ledges on NW. slope.
63.30	Wash, 40 lks. wide, 4 ft. deep, course SW.; asc. 250 ft. over ledges on S. slope.
72.60	E. rim of Rock Canyon, a ledge about 50 ft. high, bears E. and S. 70° W.; asc. 40 ft. over SE. slope.
80.00	Point for the cor. of secs. 28, 29, 32, and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap marked
	T32 $\frac{1}{2}$ S R15 E S29 S28 S32 S33 1956
	Land, rolling bench and broken breaks of Rock Canyon. Soil, shallow sand and exposed shale and sandstone. Timber, scattered juniper.
	From the cor. of secs. 5, 6, 31, and 32.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over rolling bottom of Rock Canyon, through thinly scattered juniper, desc. 20 ft. along W. slope.
8.80	Wash, 20 lks. wide, 3 ft. deep, course S. 20° W.; asc. 30 ft. along W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
	Set an iron post, 36 ins. long, 1 in. diam., 8 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

Portion of the Subdivision, T. 32½ S., R. 15 E.

Chains

S31|S32

1956

Desc. 10 ft. along W. slope.

54.50 Wash, 30 lks. wide, 10 ft. deep, in the bottom of Rock Canyon, course SW.; asc. 60 ft. over SE. slope.

64.00 Base of steep ascent, bears NE. and SW.; asc. 300 ft. over steep talus slope and high ledge facing SE.

71.00 W. rim of Rock Canyon, a ledge about 50 ft. high, bears NE. and W. about 6 chs. thence SW.; asc. 40 ft. over S. slope.

80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T32½S R15E

S30|S29

S31|S32

1956

Land, rolling bench and breaks of Rock Canyon.
Soil, shallow sand and exposed shale and sandstone.
Timber, very scattered juniper.

From the cor. of secs. 28, 29, 32, and 33.

S. 89° 57' W., bet. secs. 29 and 32.

Over rolling bench, through thinly scattered timber; asc. 20 ft. over SE. slope.

9.00 Spur, slopes SW.; desc. 110 ft. over rolling W. slope.

23.30 Wash, 30 lks. wide, 1 ft. deep, course SW.; asc. 40 ft. along SE. slope.

39.98 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked

¼ $\frac{S29}{S32}$
1956

Asc. 10 ft. along SE. slope.

43.70 Spur, slopes SW.; desc. 50 ft. over NW. slope.

49.30 E. rim of Rock Canyon, a ledge about 50 ft. high, bears NE. and SW.; desc. 280 ft. over high ledges facing NW.

62.00 Wash, in bottom of Rock Canyon, 20 lks. wide, 5 ft. deep, course SW.; asc. 270 ft. over high ledges on SE. slope.

71.10 West rim of Rock Canyon, a ledge about 50 ft. high, bears NE. and SW.; asc. 40 ft. over SE. slope.

Chains		acres
77.30	Spur, slopes S.; desc. 30 ft. over SW. slope. as herebefore described	
79.96	The cor. of secs. 29, 30, 31, and 32.	
	Land, rolling benchland and breaks of Rock Canyon. Soil, shallow sand and exposed shale and sandstone. Timber, very scattered juniper.	
	General Description	
	The land in T. 32 S., R. 15 E., consists of rolling and broken benchland, descending to rolling sandstone land below the rims. A sandstone monolith about 500 ft. high, named the Sewing Machine, is located on the north boundary of sec. 28. The township drains southwesterly in the west half via Rock Canyon and in the east half through Cove Canyon. The elevation above sea level in the township varies from 4200 ft. on the south boundary in Cove Canyon to 6550 on top of the Sewing Machine.	
	An unimproved road enters the township on the west boundary of sec. 30, bearing westerly to North Wash and easterly to the south end of the Sewing Machine, thence northeasterly to leave on the north boundary of sec. 27. The same road re-enters on the north boundary of sec. 27, in the bottom of Cove Canyon, bearing southeasterly around ledges facing south, thence northeasterly to leave on the north boundary of sec. 25, continuing northerly to Sunset Pass.	
	Vegetation in the township consists of scattered juniper and pinon, a sparse growth of Brigham tea and black brush, and a fair growth of bunch grass is found in Andy Miller Flats.	
	There is no permanent settlement in the township and the land is used for a limited amount of winter stock grazing. There are a few Uranium claims scattered throughout the township, but at the time of this survey all were inactive.	

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 17th day of March

I have surveyed a portion of the south boundary, the east boundary, and a portion
subdivisional lines in township 32 $\frac{1}{2}$ south, range 15 east.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

March 15, 1957

Donald A. Cannon, Cartographic Survey Aid

Salt Lake City, Utah

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastral Engineer, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 17th day of March

I have supervised the survey of a portion of the South boundary, the East boundary
and a portion of the Subdivisional lines in Township 32 $\frac{1}{2}$ South, Range 15 East.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed under my supervision; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

March 18, 1957

Vern E. Lane
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of a portion of the South boundary, the East
boundary, and a portion of the subdivision in Township 32 $\frac{1}{2}$ South, Range 15 East.

executed by Donald A. Cannon, under the supervision of Vern E. Lane.

having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the East and South Boundaries

and

Portion of the Subdivision

of

Township 33 South, Range 8 East

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Fred R. Chappell, Cartographic Survey Aid

Robert K. Purgess, Cartographic Survey Aid

Robert C. Yundt, Cartographer-Cadastral

Under special instructions dated March 2, 1954, which provided

for the surveys included under Group No. 388, approved April 6, 1954

and assignment instructions dated March 30, 1955

Survey commenced June 17, 1955

Survey completed July 21, 1955

INDEX DIAGRAM

Township 33 S., Range 8 E.

6	5	4	16 3 18	19 2 17	19 1 10 17
7	8	9	15 10	11	12 10
		23			
18	17	22 16 21	15 15	14	13 9
19	20	21	14 22	23	24 8
30	29 24	28 20	13 27	26	25 7 12
31 6	23 32 5	20 33 4	13 34 3	35 2	11 36 6 1

16-56770-1

Lines ruled in red were surveyed by Fred R. Chappell.
 Lines ruled in blue were surveyed by Robert K. Burgess.
 Lines ruled in green were surveyed by Robert C. Yundt.

The west boundary of Township 33, South, Range 8 East, of the Salt Lake Meridian, Utah, was surveyed in 1954 under Group 387, Utah. The north boundary was surveyed by J. R. Stewart and R. J. Bryant in 1959. The following field notes are those of a survey of the south and east boundaries and that part of the subdivision considered sufficient in extent to facilitate the development of the natural resources and to mark the boundaries of those sections normally considered as State school land. The corners along the latitudinal lines were established on the true latitudinal curve and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with Buff and Buff solar transit number 26066 and W. and L. E. Gurley solar transit number 461263, both being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instruments have full vertical circles and improved type solar attachments. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachments were not used, no description of them will be included here. The instruments were in good adjustment, and prior to the beginning of the field work they were examined and all errors eliminated. They were maintained in good adjustment during the survey.

The geographic position of the southeast corner of the township, determined through ties made to the U. S. G. S. survey station "Mesa" is as follows: Latitude $37^{\circ} 53' 16''$ North, and Longitude $110^{\circ} 58' 01''$ West. The mean magnetic declination was found to be $15^{\circ} 15'$ East.

The directions of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward as transit lines and checked by succeeding observations.

Measurements were made with steel ribbon tapes, eight chains in length. These tapes were graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Luikin standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these notes. In most cases the distances were determined by chaining, but in some instances they were obtained by triangulation and in other by traverses and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.

South Boundary, T. 33 S., R. 8 E.

Beginning at the corner of townships 33 and 34 S., R. 8 E., conforming to the record of the survey of T. 34 S., R. 8 E., concurrently surveyed.

Thence:

S. $89^{\circ} 59'$ W., bet. secs. 1 and 36.

Chains

Over mountainous land, through medium dense juniper and pinon, and scant undergrowth. Over Swap Mesa.

- 3.40 Edge of a series of sandstone ledges; desc. 160 ft. over SW. slope.
- 22.00 Rim, on E. edge of Swap Canyon; desc. 200 ft. over broken SW. slope.
- 30.00 Wash, in bottom of Swap Canyon, drains SW.; asc. 200 ft. over broken E. slope.
- 39.60 W. rim of Swap Canyon.
- 40.00 At the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S36} \\ \text{S 1} \\ 1955 \end{array}$$

From which,

A pinon, 12 ins. in diam., bears N. $35^{\circ} 30'$ E., 52 lks. dist. mkd. $\frac{1}{4}$ S36BT.

- 46.20 E. edge of basin, 80 ft. deep.
- 50.00 W. edge of basin; continue over nearly level top of Swap Mesa, through medium dense timber and undergrowth.
- 80.00 At the cor. of secs. 1, 2, 35, and 36.

Set an iron post 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground with brass cap marked

$$\begin{array}{r} \text{T33SR8E} \\ \text{S35 | S36} \\ \text{S2 | S1} \\ \text{T34S} \\ 1955 \end{array}$$

Charcoal deposited at the base of post.

Land, mountainous.

Soil, sandy and rocky.

Timber, medium dense juniper and pinon; undergrowth, bitter brush, silver leaf, mountain rush and scattered grass.

S. $89^{\circ} 59'$ W., bet. secs. 2 and 35.

Over mountainous land, through scattered juniper and pinon and grass over Swap Mesa Top.

- 20.00 E. edge of canyon; desc. 250 ft.
- 29.00 Wash, drains S. into main wash draining SW.; asc. 80 ft. over broken SE. slope.
- 33.00 SE. edge of canyon; continue over nearly level mesa top.
- 40.00 At the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

S. 24°, E. 33 S., E. S E.

Set an iron post 30 ins. long, 2 1/2 ins. diam., 2 1/2 ins. in the ground to solid rock, with brass cap marked

1 S35
S 2
1955

From which,

A pinon, 12 ins. diam., bears S. 19° E., 205 lks. dist., mkd. T34SR8ES2BT.

Open grassy glade.

Leave open glade and enter timber; continue over mesa top.

At the cor. of secs. 2, 3, 34, and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T33SR8E
S34 S35
S3 S2
T34S
1955

From which,

A pinon, 8 ins. diam., bears S. 03° 30' E., 130 lks. dist., mkd. T34SR8ES2BT.

S. 89° 59' W., bet. secs. 3 and 34.

Over mountainous land, through medium dense juniper and pinon and undergrowth.

Bare white sandstone outcrop.

Edge of outcrop, faces W.

Wash, 12 lks. wide, drains S.

E. rim of bench, faces S. 70° E.

W. rim of same bench.

At the 1/2 Sw. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 3 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

1 S34
S 3
1955

From which,

A pinon, 6 ins. diam., bears N. 35° 30' W., 208 lks. dist., mkd. T34BT.

W. rim of Soap Mesa, desc. 360 ft. over talus W. slope.

Wash, 30 lks. wide, drains S. 20° W., continue over bottom land.

Chains

79.50

Draw, in clay, drains S. 30° W.

80.00

At the cor. of secs. 3, 4, 33, and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., $2\frac{1}{2}$ ins. in the ground with brass cap marked

T33SR8E

S33 | S34

S4 | S3

T34S

1955

Broken glass deposited at the base of iron post.

Raise a mound of stone, 3 ft. base, 2 ft. high W. of cor.

Land, mountainous.

Soil, sandy, clay and gravel.

Timber, scattered juniper and pinon; undergrowth, shadscale, mountain rush, bitter brush and sparse grass.

S. 89° 59' W., bet. secs. 4 and 33.

Over mountainous land, through scattered juniper and pinon and scant undergrowth, over Swap Mesa.

3.50

Draw, drains S. 20° W.

6.70

Draw, drains S. 10° E., desc. 30 ft.

16.00

East fork of Hall Creek, 20 lks. wide, drains SE.; asc. 27 ft.

18.30

Spur, projects S., desc. 30 ft.

21.00

Junction of 3 small washes, draining NE.

30.50

Trail road, bears N. and S.; asc. 130 ft. over NE. slope.

34.90

Crown of spur, projects S.; desc. 75 ft.

37.70

Notom road, bears N. 10° W. and S. 10° E.

40.00

At the $\frac{1}{4}$ sec. cor. of secs. 4 and 33, over a cross (X) cut into solid rock.Cement a brass cap, $3\frac{1}{2}$ ins. diam., with a 3 in. stem drilled in a hole and marked $\frac{1}{4}$ S33

S4

1955

From which,

A cross (X) 6 ins. long cut into solid rock, bears S. 24° 30' W., 25 lks. dist. mkd. B | O.

40.50

Oyster Shell Reef, bears N. 10° W. and S. 10° E.; desc. 185 ft. over SW. slope.

54.50

West fork of Hall Creek, 80 lks. wide, drains S. 20° E.; asc. 280 ft. over NE. slope.

S. Bay, T. 33 S., R. 8 E.

Point selected for the witness cor. of secs. 4, 5, 32 and 33.

Set a brass cap $3\frac{1}{2}$ ins. diam., with a 3 ins. stem in a hole and drilled in solid sandstone marked

T33SR8E

W C

S32|S33

← S5|S4

T34S

1955

True point for the cor. of secs. 4, 5, 32 and 33 falls on the walls of solid sandstone, where the monument cannot be perpetuated.

Land, mountainous.

Soil, sandy clay and rocky.

Timber, scattered juniper and pinon; undergrowth, shadscale, bitter brush, mountain rush and sparse grass.

S. $89^{\circ} 59'$ W., bet. secs. 5 and 32.

Over mountainous land, through scattered juniper and pinon and undergrowth; ascending the NE. slope of the Water Rocket Fold.

Top of ridge, bears NW. and E.: desc. abruptly 261 ft. over SW. slope of Mule Twist Canyon.

At the $\frac{1}{2}$ sec. cor. of secs. 5 and 32, over a cross (X) cut into solid sandstone.

$\frac{1}{2}$ S32
S 5
1955

From which,

A pinon, 8 ins. diam., bears N. 17° E., 33 lks. dist.

Mule Twist Wash, drains S. 20° E., asc. 175 ft. over E. slope.

S. side of knoll; desc. 150 ft. down SW. slope to wash.

Wash, 12 lks. wide, drains S. 0° E.

Sandstone outcrop, bears N. 25° W. and S. 25° E.

Small wash, 5 lks. wide, drains SE.

At the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone, with brass cap marked

T33SR8E

S31|S32

S6|S5

T34S

1955

From which,

A pinon, 5 ins. diam., bears N. $20^{\circ} 15'$ E., 70 lks. dist., mkd. T33SR8ES32BT.

Chains

Land, mountainous, with talus slopes.

Soil, dirt and shale.

Timber, scattered juniper and pinon; undergrowth, bitter brush, sil
leaf, mountain rush and sparse grass.

S. 89° 59' W., bet. secs. 6 and 31.

Over mountainous land, through medium dense timber and undergrowth,
asc. 100 ft. over NE. slope.

13.30 Draw, drains SE.

19.00 Draw, drains S. 20° E.; asc. 100 ft. over a NE. slope.

33.10 Spur, projects S. 25° E.; desc. 35 ft.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 6 and 31, which falls 10 lks. N. of dra
draining S. 70° E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground
to solid rock and in a mound of stone, with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S31} \\ \hline \text{S 6} \\ 1955 \end{array}$$

From which,

A juniper, 5 ins. diam., bears S. 13° 30' E., 37 lks. dist.,
mkd. $\frac{1}{4}$ S6BT.

Asc. 110 ft. over broken NE. slope.

44.80 Spur, projects S.; continue over broken terrain.

66.95 Spur, projects S. 10° E.

75.20 Spur, projects S. 40° E.; desc. 25 ft.

78.81 The cor. of secs. 25, 30, 31 and 36, conforming to the record of the
survey of T. 33 S., R. 7 E.

Land, mountainous.

Soil, dirt and shale.

Timber, scattered juniper and pinon; undergrowth, scattered black
brush, bitter brush and sparse grass.

East Boundary of T. 33 S., R. 8 E.

Beginning at the cor. of townships 33 and 34 S., R. 8 E., heretofore
described.

Thence:

N. 0° 13' W., along the east bdy. of sec. 36.

Over mountainous land, through medium dense timber and undergrowth.
Over Swap Mesa.

E. Bdy., T. 33 S., R. 8 E.

Chains

- 1.05 Wash, 10 lks. wide, drains SW.
- 17.00 S. rim of canyon, bears NW. and SE.; desc. 240 ft. over broken NE. slope.
- 24.00 Bottom of canyon; drains NW. to Swap Canyon; asc. 160 ft. over SW. slope.
- 32.00 N. rim of canyon, bears NW. and SE.
- 35.45 Spur, projects W. 6 chs. to end.; desc. 180 ft. over broken N. slope.
- 40.00 At the $\frac{1}{4}$ sec. cor. of sec. 36, over a cross (X) cut in solid rock.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone, with brass cap marked

$\frac{1}{4}$ S36 |
1955

- 41.00 Wash, 20 lks. wide, in bottom of canyon, drains W.
- 45.80 Rim of bench.
- 56.00 Rim of bench; desc. 150 ft. over broken NW. slope.
- 62.70 Wash, 30 lks. wide, drains S. 40° W. to Swap Canyon; desc. 260 ft. over broken terrain.
- 78.75 Wash, 10 lks. wide, drains S. 20° E.
- 80.00 At the cor. of secs. 25 and 36, over a cross (X) cut in solid rock.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., and in a mound of stone, with brass cap marked

T33S
R8E | R9E
S25 |
S36 | S30
1955

From which,

A juniper, 16 ins. diam., bears S. 21° W., 1.23 lks. dist., mkd. T33SR8ES36BT.

Land, mountainous.

Soil, sandy with sandstone outcroppings.

Timber, medium dense juniper and pinon; undergrowth, yellow bush, mountain rush and sparse grass.

N. 0° 13' W., along the east boundary of sec. 25.

Over mountainous land, through medium dense juniper and pinon and medium dense undergrowth. Over Swap Mesa.

- 9.75 Small wash, 20 lks. wide, drains S. 65° W.; ascending gradually over mesa top.
- 28.10 S. rim of gulch; desc. 70 ft.
- 29.35 Bottom of gulch, drains N. 75° W.; descending over broken terrain.

Chains	
36.60	Gulch, drains W.
40.00	At the $\frac{1}{4}$ sec. cor. of sec. 25, over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., in a mound of stone, with brass cap marked $\frac{1}{4}$ S25 1955 From which, A pinon, 12 ins. diam., bears N. 04° W., 116 lks. dist., mkd. $\frac{1}{4}$ S25BT.
42.00	S. edge of canyon; desc. 120 ft. over N. slope.
46.00	Wash, drains W. into head of Swap Canyon; asc. 160 ft. over SW. slope.
63.00	Fork of Swap Canyon.
65.10	Base of large clay knoll; asc. 320 ft. over steep S. slope.
80.00	True point for the cor. of secs. 24 and 25, falls on the steep slope of clay knoll and is inaccessible. Land, mountainous. Soil, sandy and clay. Timber, scattered juniper and pinon; undergrowth, mountain rush, bitter brush and heavy grass.
	N. 0° 13' W. along the east boundary of sec. 24.
.54	At the witness cor. of secs. 24 and 25, which falls at the base of sheer cliff on the NW. slope. W C T33S R8E R9E <u>S24</u> S19 S25 1955 Desc. 50 ft. along broken NW. slope.
35.00	Clay spur, projects S. 50° E.; desc. 60 ft. over broken NE. slope.
40.00	At the $\frac{1}{4}$ sec. cor. of sec. 24. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone, with brass cap marked $\frac{1}{4}$ S24 1955 Continue over broken Swap Mesa top.
71.50	Wash, 10 lks. wide, drains N. 70° E. in bottom and head of a fork of Mule Creek.
76.20	Wash, 10 lks. wide, drains E. in bottom and head of a fork of Mule Creek.

E. Bdy., T. 33 S., R. 8 E.

Chains

80.00

At the cor. of secs. 13 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 21 ins. in the ground and in a mound of stone, with brass cap marked

T33S
R8E | R9E
S13 | S18
S24

1955

Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, clay and rocky.

Timber, scattered juniper and pinon; undergrowth, mountain rush, shadscale and medium heavy grass.

N. 0° 13' W. along the east boundary of sec. 13.

Over mountainous land, through scattered juniper and pinon and scant undergrowth.

Desc. 60 ft.

7.85

Wash, 6 lks. wide, drains E. into Muley Creek.

21.10

Wash, 6 lks. wide, drains SE. into Muley Creek.: asc. 120 ft. over SE slope.

27.00

SE. edge of spur; continue ascent of 220 ft. over broken SE. slope.

40.00

At the $\frac{1}{4}$ sec. cor. of sec. 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S13 |

1955

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.

Continue ascent of 320 ft. to SE. rim of Tarantula Mesa, bears NE. and SW.

62.50

SE. rim of Tarantula Mesa, enter medium dense timber; continue over nearly level top of Tarantula Mesa.

80.00

At the cor. of secs. 12 and 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, with brass cap marked

T33S
R8E | R9E
S12 | S7
S13
1955

From which,

A scrub pinon, bears N. 50° W., 28 lks. dist., mkd.
T33SR8ES12BT.

Chains

Land, mountainous.

Soil, sandy.

Timber, scattered to medium dense juniper and pinon; undergrowth, shadscale, mountain rush, silver leaf, bitter brush and sparse grass.

N. 0° 13' W., along the E. Bdy. of sec. 12.

Over mountainous land, through medium dense timber, over Tarantula Mesa.

14.70

Wash, 10 lks. wide, drains S. 70° W., 8 chs. to edge of Swap Mesa; continue over nearly flat Tarantula Mesa top.

39.70

Influx of small washes, draining W. into main wash, 15 lks. wide, which drains into Spring Canyon.

40.00

At the $\frac{1}{4}$ sec. cor. of sec. 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

$\frac{1}{4}$ S12|

1955

From which,

A pinon, 5 ins. diam., bears S. 71° W., 24 lks. dist., mkd.
 $\frac{1}{4}$ S12BT.

54.65

Wash, 5 lks. wide, drains S. 60° W.

70.12

Wash, 5 lks. wide, drains N. 30° E.

78.71

At the witness cor. of secs. 1 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, with brass cap marked

W C

T33S

R8E, R9E

$\frac{1}{4}$ S1|S6

$\frac{1}{4}$ S12|

1955

80.00

True point for the cor. of secs. 1 and 12, falls on the walls of sandstone ledge, where the monument cannot be perpetuated.

Land, rolling, mountainous.

Soil, sandy.

Timber, medium dense juniper and pinon; undergrowth, silver leaf, mountain rush, sage brush and bitter brush.

N. 0° 13' W., along the E. bdy. of sec. 1.

Over mountainous land, through medium dense juniper and pinon, over Tarantula Mesa, desc. 320 ft. over NE. slope of a fork of Spring Canyon.

10.00

Wash, drains N. 60° W. into Spring Canyon; asc. 240 ft. over a steep SW. slope.

E. Bdy., T. 33 S., R. 8 E.

Chains

- 16.00 Spur, projects W., desc. 320 ft. over NW. slope.
- 25.00 Fork of Spring Canyon, drains W.; asc. 360 ft. over S. slope.
- 39.00 N. rim of same fork of Spring Canyon, bears northeasterly and southwesterly.
- 40.00 At the $\frac{1}{4}$ sec. cor. of sec. 1.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, with brass cap marked
- $\frac{1}{4}$ 311
- 1955
- 41.00 Spur, projects SW.; continue over Tarantula Mesa.
- 60.70 S. rim of a fork of Spring Canyon; desc. 200 ft. over broken N. slope.
- 67.00 Draw in deep canyon, drains W.; asc. leads to sec. cor.
- 67.62 True point for the cor. of townships 32 and 33 south, ranges 8 and 9 east, and which is 2.50 chs. south of its witness cor., marked by an iron post, 3 ins. diam., conforming to the official record.
- Land, mountainous.
Soil, sandy.
Timber, medium dense juniper and pinon: under growth, bitter brush, silver leaf, sage brush and medium grass.

Partial Subdivision of T. 33 S., R. 8 E.

Beginning at the cor. of secs. 1, 2, 35 and 36 on the south boundary of the township.

Thence:

N. $0^{\circ} 14'$ W., bet. secs. 35 and 36.

Over mountainous land, through medium dense timber and undergrowth; over nearly level Swap Mesa top.

13.00 Wash, 15 lks. wide, drains S. 80° W.

35.50 Wash, 7 lks. wide, drains S. 50° W.; asc. 80 ft. over N. slope.

39.50 Sandstone knoll.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Cement a brass cap, $3\frac{1}{2}$ ins. diam., with a 3 in. stem in a hole drilled into solid rock, with brass cap marked

2
3351336
1955

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 70 ft. over broken land.

51.60 Wash, 20 lks. wide, drains SW. from E.; continue over broken land.

Chains

79.50 Wash, 7 lks. wide, drains N. 80° E.

80.00 At the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone with brass cap marked

T33SR8E

S26 | S25

S35 | S36

1955

From which,

A juniper, 8 ins. diam., bears S. 04° E., 11 lks. dist., mkd. S36 BT.

A juniper, 8 ins. diam., bears N. 83° W., 38 lks. dist., mkd. S26BT.

Land, mountainous.

Soil, sandy.

Timber, medium dense juniper and pinon; undergrowth, silver leaf, mountain rush and medium grass.

Beginning at secs. 25 and 36 on the E. bdy. of the township.

Thence:

S. 89° 58' W., bet. secs. 25 and 36.

Over mountainous land, through medium dense juniper and pinon and medium undergrowth.

9.00 Small wash, drains S. 40° W.

1.00 Wash, 15 lks. wide, in bottom of a fork of Swap Canyon, drains S.

25.80 Sandstone spur, projects S.

19.00 Ledge, 27 ft. high, bears N. 20° W. and S. 20° E.

30.40 Wash, in bottom of fork of Swap Canyon, drains S. 30° E. from S. 80 W.

40.00 At the ¼ sec. cor. of secs. 25 and 36, which falls 1.00 ch. S. of wash.

Set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone, with brass cap marked

½ S25

¼ S36

1955

40.81 Recross wash in Swap Canyon, 35 lks. wide, drains S. 80° E.; asc. 200 ft. over broken NE. slope.

10.00 Spur, projects NW.

5.0 Wash, 10 lks. wide, drains N. one ch. to main wash.

61.20 Wash, 10 lks. wide, drains N.

Subdivision, T. 33 S., R. 8 E.

Chains	
74.20	Wash, 13 lks. wide, drains NE.
80.00	The cor. of secs. 25, 26, 35, and 36.
	<p>Land, mountainous. Soil, sandy and rocky. Timber, medium dense juniper and pinon; undergrowth, silver leaf, mountain rush and sparse grass.</p>
	Beginning at the cor. of secs. 3, 4, 33 and 34 on the south boundary of the township.
	Thence:
	N. 0° 15' W., bet. secs. 33 and 34.
	Over rolling land, through scattered juniper and pinon, and scant undergrowth.
22.00	Base of slope, of Swap Mesa; asc. 160 ft. along broken SW. slope.
40.00	At the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
	<p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone, with brass cap marked</p>
	<p style="text-align: center;">$\frac{1}{4}$ S33 S34 1955</p>
	Asc. 280 ft. along a broken SW. slope of Swap Mesa.
58.00	SW. rim of Swap Mesa, bears N. 20° W. and S. 20° E.; desc. gradually over broken mesa top.
80.00	At the cor. of secs. 27, 28, 33, and 34.
	<p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked</p>
	<p style="text-align: center;">T33SR8E S28 S27 <u>S33 S34</u> 1955</p>
	<p>Land, mountainous. Soil, clay and rocky. Timber, scattered juniper and pinon; undergrowth, sparse black brush and sparse grass.</p>
	N. 0° 15' W., bet. secs. 27 and 28.
	Over mountainous land, through medium dense timber and undergrowth.
	Desc. 270 ft. over gradual NE. slope of Swap Mesa top.
40.00	At the cor. of secs. 27 and 28.
	<p>Cement a brass cap 3$\frac{1}{2}$ ins. diam., with a 3 ins. stem drilled in solid sandstone, with brass cap marked</p>

Subdivision, T. 33 S., R. 8 E.

Chains

 $\frac{1}{4}$
 S28|S27
 1955

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 60 ft. over gradual NE. slope of Swap Mesa.

71.00 Wash, 40 lks. wide, 10 ft. deep, drains S. 45° W.

72.80 Wash, 50 lks. wide, 12 ft. deep, drains S. 40° W.

80.00 At the cor. of secs. 21, 22, 27, and 28.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked
 T33SR8E
 S21|S22
 S28|S27
 1955

Land, rolling and mountainous.

Soil, sandy and gravelly.

Timber, medium dense juniper and pinon; undergrowth, mountain rush sage brush and medium dense grass.

N. 0° 15' W., bet. secs. 21 and 22.

Over mountainous land, through scattered timber and medium dense undergrowth, over Swap Mesa.

13.00 Wash, drains S. 10° E. from N. 20° W.; ascending gradually over Swap Mesa top.

40.00 At the sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked
 $\frac{1}{4}$
 S21|S22
 1955

Asc. over broken SE. slope of Swap Mesa.

54.00 Small wash, drains SE.; asc. 520 ft. over broken S. slope.

74.15 N. rim of Swap Mesa, bears NE. and SW.

80.00 At the cor. of secs. 15, 16, 21 and 22.

Cement a brass cap 3 $\frac{1}{2}$ ins. diam., with a 3 in. stem drilled into solid rock marked
 T33SR8E
 S16|S15
 S21|S22
 1955

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, gravelly and rocky.

Subdivision, T. 33 S., R. 8 E.

Chains

Timber, scattered juniper and pinon; undergrowth, medium dense sage brush, black brush and sparse grass.

N. 0° 15' W., bet. secs. 15 and 16.

Over mountainous land, through medium dense juniper and pinon and scant undergrowth; over broken Tarantula Mesa top.

27.00 Spur, projects NW.; desc. 80 ft. over NE. slope.

30.98 Point for the witness $\frac{1}{4}$ cor. of secs. 15 and 16.

Cement a brass tablet, $3\frac{1}{2}$ ins. diam., with a 3 in. stem in a drill hole in solid rock with brass cap marked

$\frac{1}{4}$
 W C
 S16 ↑ S15
 1955

35.00 S. rim of a fork of Divide Canyon, bears N. 80° W.; desc. 50 ft.

37.00 Small wash, drains N. 60° W., asc. 50 ft.

39.00 N. rim of a fork of Divide Canyon, bears N. 80° W.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, falls on the walls of a sandstone ledge and is inaccessible.

Over broken mesa top along the E. side of a fork of Divide Canyon.

62.00 S. rim of a fork of Divide Canyon, bears E. and W.; desc. 160 ft.

66.00 Wash, in bottom of canyon, drains N. 80° W.; asc. 320 ft. along a broken SW. slope.

78.00 N. rim of a fork of Divide Canyon, bears NW. and SE.

80.00 At the cor. of secs. 9, 10, 15 and 16, falls on the NE. rim of a fork of Divide Canyon.

Set an iron post, 30 ins. long, 1 in. in diam., 6 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

T33SR8E
 S 9 | S10
 S16 | S15
 1955

Land, mountainous.

Soil, sandy and rocky.

Timber, medium dense juniper and pinon; undergrowth, black brush, mountain rush and medium dense grass.

N. 0° 15' W., bet. secs. 9 and 10.

Over mountainous land, through medium dense timber and undergrowth: over Tarantula Mesa top.

12.00 Spur, projects NW.; desc. 50 ft. over N. slope.

Subdivision, T. 33 S., R. 8 E.

Chains

15.00	SW. rim of Divide Canyon; desc. 400 ft. over broken NE. slope.
31.80	Wash, 20 lks. wide, 2 ft. deep, drains N. 40° W. to main wash of Divide Canyon; desc. gradually along bottom of canyon.
40.00	At the $\frac{1}{4}$ sec. cor. of secs. 9 and 10, falls in bottom of Divide Canyon on S. edge of main wash. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked $\frac{1}{4}$ S 9 S 10 1955
41.00	Main wash of Divide Canyon, 30 lks. wide, 4 ft. deep, drains W.; asc. 440 ft. over broken SW. slope.
64.00	NW. rim of Divide Canyon, bears NE. and SW.; thence along top of Tarantula Mesa.
80.00	At the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, 1 in. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked T33SR8E S 4 S 3 S 9 S 10 1955 Land, mountainous. Soil, sandy and rocky. Timber, medium dense juniper and pinon; undergrowth, sage brush, bitter brush and medium dense grass.
	N. 0° 20' W., bet. secs. 3 and 4. Over nearly level land, through medium dense timber and undergrowth, asc. gradually over Tarantula Mesa top.
25.00	Small spur, projects W.
40.00	At the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground and in a mound of stone, with brass cap marked $\frac{1}{4}$ S 4 S 3 1955
43.00	Small spur, projects W.
65.00	Small spur, projects S.
68.10	The cor. of secs. 3, 4, 33, and 34, on the north boundary of the township, conforming to the records of the survey of T. 32 S., R. 8 E. Land, nearly level. Soil, sandy and gravelly. Timber, medium dense juniper and pinon; undergrowth, sage brush, bitter brush and sparse grass.

Subdivision, T. 33 S. R. 8 E.

Beginning at the cor. of secs. 1 and 12 on the east boundary of the township.

Thence:

S. 89° 53' W., bet. secs. 1 and 12.

Over mountainous land, through medium dense timber and undergrowth, over Tarantula Mesa.

8.00 E. edge of Spring Canyon; desc. 80 ft. along broken NW. slope.

17.00 Draw, drains NW.; asc. 80 ft. along NE. slope.

25.00 Spur, slopes NW.

27.00 E. edge of a fork of Spring Canyon; desc. 400 ft. over broken W. slope.

35.00 Wash, drains N. into main wash of Spring Canyon; asc. 160 ft. over E. slope.

35.89 Set an iron post, 3 ft. long and 1 in diam., 6 ins. in the ground to solid rock, and in a mound of stone, at the witness $\frac{1}{4}$ sec. cor. of sec. 1 and 12, with brass cap marked

WC $\frac{1}{4}$ ← $\frac{S\ 1}{S12}$
1955

40.07 True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12, falls on the walls of a steep E. slope of Divide Canyon. Asc. 280 ft. over broken E. slope.

44.00 W. edge of a fork of Spring Canyon; continue over nearly level Tarantula Mesa top.

80.14 Set an iron post, 3 ft. long and 1 in. diam., 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T33SR8E
 $\frac{S\ 2\ S\ 1}{S11\ S12}$
1955

From which,

A juniper, 10 ins. diam., bears S. 28° 15' W., 33 lks. dist. mkd. T33SR8EBT.

Land, mountainous in E. $\frac{1}{2}$ mile, nearly level in W.

Soil, sandy and rocky.

Timber, medium dense juniper and pinon; undergrowth, sage brush and black brush and sparse grass.

S. 89° 53' W., bet. secs. 2 and 11.

Over nearly level land, through medium dense timber and undergrowth, over top of Tarantula Mesa.

40.07 At the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, with brass cap marked

Chains

$$\begin{array}{r} \frac{1}{4} \text{ S } 2 \\ \hline \text{S11} \\ 1955 \end{array}$$

Desc. 160 ft. over Tarantula Mesa top.

42.00 E. edge of a fork of Spring Canyon; desc. 200 ft. over broken NW. slope.

47.50 Draw, drains NW., asc. NE. slope of small spur.

53.00 Crest of spur, slopes N.; desc. NW. slope to wash.

62.00 Wash, in bottom of a fork of Spring Canyon, drains S. 20° W.; asc. 70 ft. to small spur.

71.50 Spur in canyon bottom, faces S., desc. to draw.

74.00 Draw, drains S. 10° E.; asc. 240 ft. over E. slope to mesa top.

80.14 At the cor. of secs. 2, 3, 10, and 11, falls on the W. edge of a fork of Spring Canyon.

Set an iron post 3 ft. long, 1 in diam., 6 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

$$\begin{array}{r} \text{T33SR8E} \\ \text{S } 3 \text{ S } 2 \\ \hline \text{S10 S11} \\ 1955 \end{array}$$

Land, nearly level in east and broken in west.

Soil, sandy and rocky.

Timber, medium dense juniper and pinon; undergrowth, black brush, bitter brush and sparse grass.

S. 89° 53' W., bet. secs. 3 and 10.

Over nearly level land through medium dense timber and scant undergrowth, over Tarantula Mesa top.

34.00 East edge of a fork of Spring Canyon; desc. 280 ft. over a broken NW. slope.

40.07 True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, falls on the wall of a steep slope of a fork of Divide Canyon.

43.00 Bottom of canyon, drains S. 10° W.; asc. 160 ft. over E. slope.

48.00 E. edge of canyon, proceed over top of nearly level mesa.

49.98 Cement a brass cap, 3 $\frac{1}{2}$ ins. diam., with a 3 in. stem drilled into solid rock at the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 10, with brass cap marked

$$\begin{array}{r} \text{W C} \\ \text{S } 3 \\ \hline \text{S10} \\ 1955 \end{array}$$

Raise a mound of stone, 3 ft. base, 2 ft. high, north of brass cap.

Over nearly flat mesa top from W. edge of a fork of Spring Canyon.

80.14 The cor. of secs. 3, 4, 9 and 10.

T. 33 S., R. 8 E.

Land, nearly level.

Soil, sandy and rocky.

Timber, medium dense juniper and pinon, and scant undergrowth.

From the cor. of secs. 1, 2, 11, and 12.

N. 0° 15' W., bet. secs. 1 and 2.

Over nearly level land, covered with dense timber and undergrowth, over Tarantula Mesa top.

Spur, projects W.

At the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone, with brass cap marked

$\frac{1}{4}$

S2|S1

1955

S. rim of Spring Canyon, bears NW. and SE., head of canyon 2 chs. E. of line, drains northwesterly; desc. 240 ft. over NE. slope of a spur projecting N. in Spring Canyon.

Wash, drains N. into Spring Canyon; over bottom land 1 ch. E. of wash that drains into Spring Canyon.

The cor. of secs. 1, 2, 35, and 36.

Land, nearly level in south and broken in north.

Soil, sandy.

Timber, dense juniper and pinon; undergrowth, sage brush, mountain rush and gramma grass.

From the cor. of secs. 2, 3, 10, and 11.

N. 0° 17' W., bet. secs. 2 and 3.

Over nearly level land, through dense juniper and pinon and undergrowth; asc. gradually over Tarantula Mesa top.

Crest of Cedar ridge, bears NE. and SW.; desc. gradually over mesa top.

At the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to sandrock, and in a mound of stone, with brass cap marked

$\frac{1}{4}$

S3|S2

1955

Head of fork of Spring Canyon, drains N. 30° W.; desc. 40 ft.

Spur, projects W., bet. 2 deep canyons that drain into main canyon.

The cor. of secs. 2, 3, 34, and 35.

Subdivision, T. 33 S., R. 8 E.

Chains

Land, nearly level.
Soil, rocky and sandy.
Timber, dense juniper and pinon; undergrowth, sage brush and grass.

Beginning at the true point for the cor. of secs. 4, 5, 32 and 33 the south boundary of the township.

Thence:

N. 0° 16' W. bet. secs. 32 and 33.

Over broken land, through widely scattered timber and a scant undergrowth; desc. 560 ft. along a broken NE. slope on the eastern slope of the Water Pocket Fold.

40.00

At the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S32|S33
1955

From which,

A pinon, 14 ins. diam., marked $\frac{1}{4}$ S33BT, bears N. 37° E., 28 lks. dist.

Continue along a broken NE. slope.

55.75

Wash, drains S. 20° E., asc. 220 ft. along a broken SW. slope.

78.50

Oyster Shell Reef, bears N. 20° W. and S. 20° E., desc. 25 ft. along a broken NE. slope.

80.00

At the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T33SR8E
S29|S28
S32|S33
1955

Raise a mound of stone, $2\frac{1}{2}$ ft. base and $2\frac{1}{2}$ ft. high, west of the post.

Land, rough and broken slopes.

Soil, gravelly clay loam.

Timber, dwarf juniper; undergrowth, shadscale, mountain rush, silver leaf, and grass.

Beginning at the cor. of secs. 27, 28, 33, and 34.

Thence:

N. 89° 58' W. bet. secs. 28 and 33.

Subdivision, T. 33 S., R. 8 E.

Chains

Over broken top of Swap Mesa, through scattered timber and a scant undergrowth.

7.70 W. rim of mesa, bears NW. and SE., desc. 405 ft. along a broken SW. slope over ledges.

27.60 Wash, drains S. 20° E., asc. 65 ft. along a SE. slope.

39.97 At the $\frac{1}{4}$ sec. cor. of secs. 28 and 33, on a S. slope.

Set an iron post, 30 ins. long and 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

$$\begin{array}{r} \frac{1}{4} \frac{523}{333} \\ 1955 \end{array}$$

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base and 2 $\frac{1}{2}$ ft. high, N. of post.

Desc. 75 ft. along a SW. slope to wash.

41.75 Unused road, bears NW. and SE.

48.30 Wash, drains SE., asc. 50 ft. along a SE. slope.

52.60 Low, rocky spur, projects S. 20° E., desc. 60 ft. along a SW. slope.

61.40 East fork of Hall Creek wash, drains S. 20° E., asc. 145 ft. along a NE. slope.

76.30 Bladed road, bears N. 20° W. and S. 20° E., Holton, Utah, to Bullfrog.

79.94 The cor. of secs. 28, 29, 32, and 33.

Land, rough and broken slopes.

Soil, shallow clay loam.

Timber, dwarf juniper and pinon; undergrowth, shadscale, mountain rush, weeds and grass.

Beginning at the cor. of secs. 15, 16, 21, and 22.

Thence:

S. 89° 59' W., bet. secs. 16 and 21.

Over mountainous land, through medium dense timber and scant undergrowth.

14.30 E. rim of a fork of Divide Canyon, bears N. 10° E. and S. 10° W.; desc. 80 ft. over NW. slope.

17.00 Wash, drains N. 10° E. into Divide Canyon; asc. 80 ft. over E. slope.

19.50 W. rim of canyon.

32.25 Rim of Tarantula Mesa, faces SW.; desc. 280 ft. over SW. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone with brass cap marked

Drains

$$\frac{1}{4} \frac{S16}{S21}$$
 1955

Over rolling clay hills.

61.40 Spur, (blue clay), projects S.

61.40 Spur, projects S.

61.60 Draw, drains S. 15° W.

65.80 Spur, projects S. 15° W.

72.00 Draw, drains S. 30° E.

80.00 At the cor. of secs. 16, 17, 20, and 21, which falls on E. slope, 8 chs. W. of draw.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

$$\begin{array}{r} T33SR8E \\ S17|S16 \\ S20|S21 \\ 1955 \end{array}$$

Land, broken.

Soil, rocky.

Timber, medium dense juniper and pinon; undergrowth, horse brush, black brush and sparse grass.

N. 0° 16' W., bet. secs. 16 and 17.

Over rolling mountainous land, through scattered timber and scant undergrowth, over rolling clay hills at the base of Tarantula Mesa.

61.30 Draw, drains S. 30° E.

61.30 Spur, projects W.

62.00 At the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

$$\frac{1}{4} \frac{S17|S16}{1955}$$

61.70 Sandstone knoll.

61.00 Draw, drains S. 60° W.

61.00 Spur, projects W.

61.00 E. slope of Tarantula Mesa; asc. 160 ft. along broken SW. slope.

61.00 At the sec. cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone with brass cap marked

$$\begin{array}{r} T33SR8E \\ S8|S9 \\ S17|S16 \\ 1955 \end{array}$$

Subdivision, T. 33 S., R. 8 E.

Chains

Land, broken.
Soil, rocky.
Timber, sparse juniper and pinon; undergrowth, black brush and
shadscale.

Beginning at cor. of secs. 9, 10, 15, and 16.

Thence:

S. 89° 57' W., bet. secs. 9 and 16.

Over mountainous land, through medium dense timber and undergrowth;
over Divide Canyon and Tarantula Mesa top.

1.00 E. rim of a fork of Divide Canyon; desc. 360 ft. over broken SW.
slope.

12.00 Wash, in bottom of Canyon, drains N. 30° W. into main canyon; asc.
360 ft. over broken NE. slope.

25.00 W. rim of canyon; thence over nearly flat Tarantula Mesa top.

39.00 E. edge of a fork of Divide Canyon, projects N. 20° E., and S. 20°
W.; desc. steep W. slope.

39.40 Point for the witness, sec. cor. of secs. 9 and 16.

Set an iron post, 3 ft. long and 1 in. diam., 6 ins. in the ground
to solid rock, and in a mound of stone, with brass cap marked

$$\begin{array}{r} 89 \\ \leftarrow 316 \\ \text{WC} \\ 1955 \end{array}$$

40.08 True point for the sec. cor. of secs. 9 and 16, falls on the walls
of a steep W. slope of Divide Canyon, and is inaccessible.

Desc. 320 ft. over a steep W. slope.

47.00 Bottom of canyon, drains N. 30° E. into main canyon; asc. 280 ft.
over a steep E. slope.

57.00 W. edge of canyon; continue over mesa top.

75.00 W. edge of Tarantula Mesa; desc. 240 ft. over W. slope.

80.16 The cor. of secs. 8, 9, 16, and 17.

Land, broken.
Soil, rocky.
Timber, medium dense juniper and pinon; undergrowth, black brush
and horse brush.

Beginning at the cor. of secs. 5, 6, 31 and 32, on the south bdy.
of the township:

Thence:

N. 0° 16' W. bet. secs. 31 and 32.

Chains

Over broken land, through scattered timber and a scant undergrowth, asc. 100 ft. along a SW. slope.

1.70 Low spur, projects NW., desc. 175 ft. along a broken NE. slope.

4.50 Bottom of descent; asc. SE. slope.

8.50 Spur, projects SE., desc. 90 ft. down NE. slope to wash.

31.80 Wash, drains easterly, asc. along a gentle SE. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 22 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

$\frac{1}{4}$
S31|S32
1955

From which,

A juniper, 7 ins. diam., marked $\frac{1}{4}$ S32BT, bears S. $81^{\circ} 45'$ E., 12 lks. dist.

A pinon, 14 ins. diam., marked $\frac{1}{4}$ S31BT, bears S. $25^{\circ} 30'$ W., 52 lks. dist.

40.80 Small wash, drains S. 80° E., asc. 285 ft. along a SW. slope.

51.20 Rocky spur, projects SE., desc. 290 ft. along a broken NE. slope.

65.10 Muley Twist Wash, drains S. 60° E., asc. 165 ft. along a SW. slope.

80.00 At the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long and $2\frac{3}{8}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T33SR8E
S30|S29
S31|S32
1955

From which,

A pinon, 5 ins. diam., marked T33SR8ES29BT, bears N. $0^{\circ} 15'$ E., 33 lks. dist.

A pinon, 5 ins. diam., marked T33SR8ES30BT, bears N. $87^{\circ} 00'$ W., 19 lks. dist.

Land, rough and broken slopes.

Soil, shallow clay loam.

Timber, dwarf juniper and pinon; undergrowth, shadscale, mountain rush, weeds, and grass.

Beginning at the cor. of secs. 28, 29, 32, and 33.

Thence:

S. $89^{\circ} 59'$ W., bet. secs. 29 and 32.

Subdivision, T. 33 S., R. 8 E.

Chains

Over broken land, through scattered timber and a scant undergrowth; asc. 45 ft. along a NE. slope.

.90 Oyster Shell Reef, bears N. 20° W. and S. 20° E., desc. 105 ft. along a broken SW. slope over ledges.

13.60 Left Fork of Hall Creek, drains generally S., asc. 305 ft. along a broken NE. slope over ledges.

36.70 On a steep NE. slope, on barren sandstone.

Cement a brass tablet, $3\frac{1}{2}$ ins. diam., with a 3 in. stem, in a hole drilled into solid rock, as a witness $\frac{1}{4}$ sec. cor. of secs. 29 and 32, with brass cap marked

$\frac{1}{4}$ ← $\frac{S29}{S32}$ WC
1955

Raise a mound of stone, $2\frac{1}{2}$ ft. base and $2\frac{1}{2}$ ft. high, north of the post.

Continue ascent over barren sandstone.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32 falls on steeply sloping sandstone, where the monument cannot be perpetuated. Asc. 895 ft. along a broken NE. slope over ledges.

70.50 Water Pocket Fold, bears N. 20° W. and S. 20° E., desc. 205 ft. along a broken SW. slope over ledges.

80.02 The cor. of secs. 29, 30, 31, and 32.

Land, rough and broken slopes of barren sandstone.

Soil, shallow sand.

Timber, dwarf juniper and pinon. Undergrowth, shadscale, mountain rush, weeds, and grass.

General Description

The land covered by this survey lies in the arid desert region about 90 miles southeast of Escalante, Utah. It is characterized by steep sandstone slopes, cut by box canyons, and clay badlands. The soil is poor, mostly a shallow sand to rocky clay loam, and deep clay in the badlands. The timber is a dwarf juniper and stunted pinon, of no value except for firewood and posts. The undergrowth is mainly shadscale, with lesser amounts of mountain rush, weeds, and grass. The area has been badly overgrazed in recent years, and the cover is very poor. The drainage is southerly into the Colorado River. There are no permanent habitations in the township. The entire area has been, and to some extent still is, being prospected for fissionable materials. The road from Notom to Bullfrog follows along the bottom of Hall Creek.

--	--	--

CERTIFICATE OF CADASTRAL ENGINEER

(Seal)

WITNESSETH

We, Fred R. Chappell, Robert K. Burgess, and ~~and~~ Robert C. Yundt ~~do hereby~~ hereby CERTIFY upon honor that
 pursuant to special instructions bearing date of the 2nd day of March, 1956,
 We ~~have~~ surveyed the south and east boundaries and portions of the subdivision of
Township 33 South, Range 8 East,

of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed by ^{us} ~~me~~ and under ^{our} ~~my~~ direction; and the
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Salt Lake City, Utah
February 17, 1956

Fred R. Chappell
 Cartographic Survey Aid
Robert K. Burgess
 Cartographic Survey Aid
Robert C. Yundt
 Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 11 1956, 1956

The foregoing field notes of the survey of the south and east boundaries and portions
of the subdivision of Township 33 South, Range 8 East, of the Salt Lake Meridian,
Utah.

executed by Fred R. Chappell, Robert K. Burgess and Robert C. Yundt,
 having been critically examined and found correct, are hereby approved.

Donald B. Clement
 Chief, Division of Cadastral Engineering
 Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
 _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the South Boundary

and

Portions of the Subdivision

of

Township 33 South, Range 9 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Fred R. Chappell, Cartographic Survey Aid

Robert K. Burgess, Cartographic Survey Aid

Under special instructions dated March 2, 1954, which provided
for the surveys included under Group No. 388-Utah, approved April 6, 1954
and assignment instructions dated March 30, 1955

Survey commenced August 15, 1955

Survey completed September 12, 1955

INDEX DIAGRAM

Township 33 S., Range 9 E.

6	5	4	11 8	15 2	14 1
			13	13	12
7	8	9	10 10	11	12
		18			
18	17	17 16	10 15	14	13
		16			
19	20	21	9 22	23	24
30	29	28	8 27	26	25
	19				7
31	18 32	15 33	8 34	35	6 36
5	5	4	3	2	1

16-56770-1

Lines ruled in red were surveyed by Fred R. Chappell.

Lines ruled in blue were surveyed by Robert K. Burgess.

2438

Township 33 South, Range 9 East

Chains

The north boundary of Township 33 South, Range 9 East of the Salt Lake Meridian, Utah, was surveyed by Stewart and Stewart in 1911, the east boundary by Elliot Bird in 1939, and the west boundary is being surveyed concurrently under this group. The following field notes are those of an original survey of the south boundary, and that part of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered as State school land, and to facilitate the development of the natural resources in the township. The south boundary was surveyed west from the corner of townships 33 and 34 south, ranges 9 and 10 east, to a closing on the east boundary of township 34 south, range 8 east. The corners along the latitudinal lines were established on the true latitudinal curve, and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with Buff and Buff solar transit number 26066 and W. and L. E. Gurley solar transit number 461263, both being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instruments have full vertical circles and improved type solar attachments. The horizontal plates have two, double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachments are graduated to single minutes of arc. Since the solar attachments were not used, no description of them will be given here. The instruments were in good adjustment, and prior to the beginning of the field work they were examined and all errors eliminated. They were maintained in good adjustment throughout the survey.

The geographic position of the southeast corner of the township, determined through ties made to the stations of the U. S. Coast and Geodetic Survey is as follows: Latitude $37^{\circ} 53' 08''$ North, and Longitude $110^{\circ} 51' 27''$ West.

The direction of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward as transit lines and their accuracy checked by succeeding observations.

The measurements were made with Lallie steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Lufkin standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which are used in these notes. In most cases the distances were determined by chaining, but in some instances they were obtained by triangulation and in other by traverses and offsets. The details of these were thoroughly verified and only the true line distances returned in the field notes.

South Boundary of Township 33 South, Range 9 East

Beginning at the cor. of Ts. 33 and 34 S., Rs. 9 and 10 E., marked by an iron post, 3 ins. diam., conforming to the record.

Thence:

West, bet. secs. 1 and 36.

Over mountainous land, through scattered timber and a scant undergrowth; asc. 35 ft. along a NE. slope.

Chains

2.50 Low spur, projects SE., desc. 75 ft. along a SW. slope.

4.60 Draw, drains SE., asc. 605 ft. along a broken SE. slope over ledge.

28.45 Flat topped spur at the S. end of Cave Flat, projects S., desc. 300 ft. along a broken SW. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, with brass cap mkd.

$$\frac{1}{4} \frac{S36}{S1}$$

1955

Deposit a sandstone rock, 6 x 6 x 1 ins., mkd. with a cross (X) at the base of the post.

Desc. 305 ft. along a broken SW. slope over a series of blue clay spurs and draws putting generally S.

74.40 Main draw, drains S. 70° E., asc. 30 ft. along a NE. slope.

80.00 At the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

$$\begin{array}{r} T33S R9E \\ S35 | S36 \\ S 2 | S1 \\ T34S \\ 1955 \end{array}$$

Deposit a sandstone rock, 5 x 4 x 2 ins., mkd. with a cross (X) at the base of the post.

Land, rough and broken slopes.

Soil, gravelly to rocky clay.

Timber, juniper.

Undergrowth, shadscale, weeds, and grass.

West, bet. secs. 2 and 35.

Over rough mountainous land, through scattered timber and a scant undergrowth, asc. 265 ft. along a broken NE. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, with brass cap mkd.

$$\frac{1}{4} \frac{S35}{S2}$$

1955

Deposit a sandstone rock, 4 x 3 x 1 ins. mkd. with a cross (X) at the base of the post.

Asc. 25 ft. along a NE. slope.

42.35 E. rim of bench, bears NW. and SE., continue along a S. slope.

S. Bdy., T. 33 S., R. 9 E.

Chains

- 48.20 W. rim of bench, bears NE. and SE., desc. 160 ft. along a broken SW. slope.
- 60.40 Draw, drains generally S., continue along a S. slope.
- 63.30 Draw, drains SE. about 2 chs. to junction with previous draw, asc. 185 ft. along a NE. slope.
- 78.10 Spur, projects SE., desc. 15 ft. along a SW. slope.
- 79.20 Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, as a witness cor. of secs. 2, 3, 34, and 35, with brass cap mkd.

T33S R9E
WC ← $\frac{S34}{S3} | \frac{S35}{S2}$
T34S
1955

Raise a mound of stone, $2\frac{1}{2}$ ft. base and $2\frac{1}{2}$ ft. high, west of the post.

- 80.00 True point for the cor. of secs. 2, 3, 34, and 35 falls on a steep clay slope, where the monument cannot be perpetuated.

Land, rough and broken slopes.

Soil, deep, heavy clay.

Timber, juniper.

Undergrowth, shadscale, mountain rush, weeds, and grass.

West, bet. secs. 3 and 34, counting distances from the true point for the cor. of secs. 2, 3, 34, and 35.

Over broken land, through widely scattered timber and a scant undergrowth, desc. 165 ft. along a broken SW. slope.

- 9.10 Draw, drains SE., asc. 415 ft. along a NE. slope over ledges.

- 25.75 Rim of bench at the southern end of Cave Flat, bears NW. and S., desc. 90 ft. along a gently SW. slope.

- 40.00 At the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4} \frac{S34}{S3}$
1955

Raise a mound of stone, 3 ft. base and $2\frac{1}{2}$ ft. high, north of the post.

Desc. 15 ft. along a SW. slope.

- 42.95 Wash, drains S., continue along a general S. slope.

- 52.80 W. rim of bench, with ledge about 75 ft. high, bears NE. and SW., desc. 640 ft. along a broken SW. slope.

- 80.00 At the cor. of secs. 3, 4, 33, and 34.

Chains

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T33S R9E
 $\frac{S33}{S4} | \frac{S34}{S3}$
 T34S
 1955

Raise a mound of stone, $2\frac{1}{2}$ ft. base and $2\frac{1}{2}$ ft. high, west of the post.

Land, rough and broken slopes.

Soil, deep, heavy clay.

Timber, juniper.

Undergrowth, shadscale, mountain rush, weeds, and grass.

West, bet. secs. 4 and 33.

Over broken land, through scattered timber and a scant undergrowth desc. 135 ft. along a broken SW. slope.

14.30 Muley Creek, at bend, drains S. about 2 chs., thence SW., asc. 1 ft. along a broken NE. slope.

38.00 Spur, projects S. 15° E., desc. 45 ft. along a SW. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4} \frac{S33}{S4}$
 1955

Deposit a sandstone rock, 6 x 4 x 3 ins., mkd. with a cross (X) at the base of the post.

Desc. 95 ft. along a SW. slope.

48.70 Draw, drains SE., asc. 605 ft. along a SE. slope.

73.80 E. rim of Swap Mesa, bears NE. and SW., continue over rolling ground

80.00 At the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T33S R9E
 $\frac{S32}{S5} | \frac{S33}{S4}$
 T34S
 1955

Deposit a sandstone rock, 8 x 4 x 2 ins., mkd. with a cross (X) at the base of the post.

Land, rough and broken slopes.

Soil, deep, rocky clay.

Timber, juniper.

Undergrowth, shadscale, mountain rush, weeds, and grass.

S. Bdy., T. 33 S., R. 9 E.

Chains

West, bet. secs. 5 and 32.

Over rolling mesa top, through scattered timber and a scant undergrowth.

40.00

At the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \frac{S32}{S5} \\ 1955 \end{array}$$

Deposit charcoal at the base of the post.

80.00

At the cor. of secs. 5, 6, 31, and 32, over a cross (X) cut in solid surface rock.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., in a large mound of stone, with brass cap marked

$$\begin{array}{r} T33S R9E \\ \frac{S31}{S6} \mid \frac{S32}{S5} \\ T34S \\ 1955 \end{array}$$

From which,

A pinon, 7 ins. diam., mkd. T34SR9ES⁶BT, bears S. 72° 30' E., 112 lks. dist.

Land, rolling mesa top.

Soil, sandy to gravelly clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale, mountain rush, weeds, and grass.

West, bet. secs. 6 and 31.

Over rolling mesa top, through scattered timber and a scant undergrowth.

29.75

W. rim of Swap Mesa, bears NW. and SE. about 6 chs., thence N. 60° W., desc. 175 ft. along a SW. slope.

39.00

Draw, drains N. 60° W., asc. a broken NE. slope.

40.00

True point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31 falls on steeply sloping sandstone bedrock, where the monument cannot be perpetuated. Asc. 150 ft. along a broken NE. slope over ledges.

43.70

On the rim of Swap Mesa, which bears NW. and SE., and over a cross (X) cut into solid rock.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., in a large mound of stone, at the witness $\frac{1}{4}$ sec. cor. of secs. 6 and 31, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \frac{S31}{S6} \rightarrow WC \\ 1955 \end{array}$$

Continue along a general N. slope.

Chains

47.50 W. rim of Swap Mesa, bears N. and SW., desc. 255 ft. along a broken NW. slope.

65.60 Draw, drains SW. about 5 chs., thence westerly, asc. 45 ft. along SE. slope.

77.61 Intersect the E. bdy. of sec. 1, Tp. 34 S., R. 8 E. at a point 12 chs. S. of the cor. of Ts. 33 and 34 S., R. 8 E., mkd. by an iron post $2\frac{1}{2}$ ins. diam., conforming to the record of the survey of Tp. 34 S., R. 8 E., concurrently surveyed. The point of intersection falls upon the S. edge of a sandstone boulder, showing 8 x 8 x 10 above ground, and where the monument cannot be erected, therefore a point 0.20 chs. S.,

Set an iron post, 3 ft. long and 1 in. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, as a witness closing cor. of Ts. 33 and 34 S., R. 9 E., with brass cap mkd.

T33S
R8E | R9E
 | S31
S1 ——— CC
 | S6
 | W C
 | T34S
 1955

From which,

A pinon, 7 ins. diam., mkd. X BT, bears N. $85^{\circ} 00'$ W., 39 lks. dist.

Land, rolling mesa in the E. and broken slopes in the W.
Soil, sandy to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale, mountain rush, weeds and grass.

Portion of the Subdivision of Township 33 South, Range 9 East

Beginning at the cor. of secs. 1, 2, 35, and 36 on the S. bdy. of the Tp.

Thence:

N. $0^{\circ} 01'$ W. bet. secs. 35 and 36.

Over broken land, through scattered timber and a scant undergrowth, desc. 15 ft. along a NE. slope.

2.10 Draw, drains S. 70° E., asc. 160 ft. along a broken SW. slope.

33.00 Draw, drains SW., asc. 320 ft. along a broken SE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36 falls on steeply sloping sandstone ledge, where the monument cannot be erected. Continue asc. of 80 ft. over a S. slope.

41.64 Set an iron post, 3 ft. long and 1 in. diam., 6 ins. in the ground to solid rock, and in a mound of stone, as a witness $\frac{1}{4}$ sec. cor. of secs. 35 and 36, with brass cap mkd.

$\frac{1}{4}$
S35 | S36
 | W C
 1955

Subdivision, T. 33 S., R. 9 E.

Chains

Deposit a sandstone rock 5 x 3 x 2 ins., mkd. with a cross (X) at the base of the post.

Asc. 35 ft. along a SW. slope.

64.15 Rocky spur, projects S. 70° E., desc. 45 ft. along a NE. slope.

80.00 At the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 3 ft. long and 1 in. diam., 15 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T33SR9E

S26 | S25

S35 | S36

1955

Deposit broken glass at the base of the post.

Land, broken in the S., rolling in the N.

Soil, rocky clay loam.

Timber, juniper, pinon, and pine.

Undergrowth, shadscale, bitter brush, and mountain rush.

Beginning at the cor. of secs. 25, 30, 31, and 36 on the E. bdy. of the Tp., marked by an iron post 2 ins. in diam., conforming to the record.

Thence:

S. 89° 59' W. bet. secs. 25 and 36.

Over rough, broken land, through scattered timber and a scant undergrowth, desc. 265 ft. along a rocky SW. slope.

15.10 Draw, drains S., asc. 95 ft. along a broken S. slope.

32.60 Rocky spur, projects S., desc. 125 ft. along a broken SW. slope.

36.60 Draw, drains S., asc. 70 ft. along a SE. slope.

40.04 At the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 3 ft. long and 1 in. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4}$ — $\frac{S25}{S36}$

1955

Deposit charcoal at the base of the post.

Asc. 80 ft. along a SE. slope.

46.10 Rocky spur, projects S., desc. 95 ft. along a SW. slope to Creek.

51.00 Bladed road, bears NW. and SE.

51.60 Bullfrog Creek, dry, drains SE. from the N., asc. 520 ft. along a broken NE. slope.

67.50 E. rim of Cave Flat, bears NW. and SE., continue across rolling top.

80.08 The cor. of secs. 25, 26, 35, and 36.

Subdivision, T. 33 S., R. 9 E.

Chains

Land, broken slopes in the E., rolling mesa top in the W.
Soil, gravelly to rocky clay loam.
Timber, juniper and pinon.
Undergrowth, shadscale, bitter brush, and mountain rush.

Beginning at the cor. of secs. 3, 4, 33, and 34 on the south bdy. the Tp.

Thence:

N. 0° 02' W. bet. secs. 33 and 34.

Over rough and broken land, through scattered timber and a scant undergrowth, asc. 325 ft. along a rocky SW. slope.

34.15 Rocky spur, projects S. 60° W., desc. 65 ft. along a NW. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long and 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked

$\frac{1}{4}$
S33|S34
1955

Deposit a sandstone rock, 4 x 4 x 3 ins., mkd. with a cross (X) at the base of the post.

Desc. 115 ft. along a broken NW. slope.

51.10 Draw, drains SW., asc. 150 ft. along a SW. slope.

63.45 Spur, projects SW., desc. 85 ft. along a NW. slope.

80.00 At the cor. of secs. 27, 28, 33, and 34.

Set an iron post, 30 ins. long and 2 $\frac{1}{2}$ ins. in diam., 20 ins. in the ground, and in a collar of stone, with brass cap marked

T33S R9E
S28|S27
S33|S34
1955

Deposit a sandstone rock, 5 x 5 x 2 ins. marked with a cross (X) at the base of the post.

Land, rough and broken slopes.
Soil, gravelly to rocky clay loam.
Timber, juniper and pinon.
Undergrowth, shadscale, mountain rush, weeds, and grass.

N. 0° 02' W. bet. secs. 27 and 28.

Over broken land, through scattered timber and a scant undergrowth, desc. 135 ft. along a broken NW. slope.

29.30 Draw, drains SW., asc. 360 ft. along a broken SE. slope.

Subdivision, T. 33 S., R. 9 E.

Chains	
36.25	S. rim of Cave Flat, bears NE. and SW., continue over rolling land.
40.00	<p>At the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.</p> <p>Set an iron post, 3 ft. long and 1 in diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S28 S27 1955</p>
76.50	Wash, 25 lks. wide and 3 ft. deep, drains SW.
80.00	<p>At the cor. of secs. 21, 22, 27, and 28.</p> <p>Set an iron post, 3 ft. long and 1 in diam., 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T33SR9E S21 S22 S28 S27 1955</p> <p>Deposit broken glass at the base of the post.</p> <p>Land, broken in the S. and rolling in the N. Soil, sandy to gravelly clay loam. Timber, juniper and pinon. Undergrowth, shadscale, gramma grass, and mountain rush.</p>
	<p>N. 0° 02' W. bet. secs. 21 and 22.</p> <p>Over rolling land, through scattered timber and scant undergrowth, over top of Cave Flat.</p>
16.50	Low ridge, bears E. and W.
37.00	Small wash, drains W.
40.00	<p>At the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.</p> <p>Set an iron post, 3 ft. long and 1 in diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S21 S22 1955</p> <p>Raise a mound of stone, 2$\frac{1}{2}$ ft. base and 2$\frac{1}{2}$ ft. high, west of the post.</p>
	Desc. 365 ft. along a broken NW. slope over ledges. Leave Cave Flat.
56.20	Draw, drains SW. from SE., asc. 360 ft. along a SE. slope.
70.00	Top of asc., thence over rolling top.
80.00	<p>At the cor. of secs. 15, 16, 21 and 22.</p> <p>Set an iron post, 30 ins. long and 2$\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T33SR9E S16 S15 S21 S22 1955</p>

Subdivision, T. 33 S., R. 9 E.

Chains

From which,

A pinon, 16 ins. diam., mkd. T33SR9ES21BT, bears S. 70° 00' W.
32 lks. dist.

Land, rolling mesa cut by steep sided canyon.

Soil, gravelly to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale, bitter brush, silver leaf, and gramma grass.

N. 0° 02' W. bet. secs. 15 and 16.

Over rolling land, through scattered timber and scant undergrowth,
asc. 50 ft.

40.00

At the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long and 2 $\frac{1}{2}$ ins. diam., 8 ins. in the
ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4}$

S16|S15

1955

Deposit broken glass at the base of the post.

47.80

Muley Creek, 15 lks. wide and 3 ft. deep, drains E.

77.50

Low ridge, bears E. and W.

80.00

At the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 3 ft. long and 1 in. diam., 12 ins. in the ground
and in a mound of stone, with brass cap mkd.

T33SR9E

S 9|S10

S16|S15

1955

Deposit a sandstone rock, 5 x 4 x 3 ins., mkd. with a cross
(X) at the base of the post.

Land, rolling.

Soil, gravelly clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale, weeds, and gramma grass.

N. 0° 02' W. bet. secs. 9 and 10.

Over broken land, through scattered timber and scant undergrowth,
desc. 75 ft. along a NW. slope.

8.10

Draw, drains SE., asc. 735 ft. along a broken SE. slope to the $\frac{1}{4}$
sec. cor., over ledges.

35.55

S. rim of point of Tarantula Mesa, edge bears NW. and E., continue
asc. over top of mesa.

40.00

At the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Subdivision, T. 33 S., R. 9 E.

Chains

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4}$
S 9|S10
1955

Deposit a sandstone rock, 5 x 4 x 3 ins., mkd. with a cross (X) at the base of the post.

42.00 Low ridge, bears E. and W., desc. 360 ft. along a NW. slope to the cor. of secs. 3, 4, 9, and 10.

72.51 On the S. rim of a deep canyon draining E.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, at the witness cor. of secs. 3, 4, 9, and 10, with brass cap mkd.

T33SR9E
S 4|S 3
S 9|S10
W C
1955

Deposit broken glass at the base of the post.

Desc. over ledges, leaving top of mesa, edge bears SW. and E.

80.00 True point for the cor. of secs. 3, 4, 9, and 10 falls on steeply sloping sandstone ledge, where the monument cannot be erected.

Land, broken slopes in the S. and extreme N. parts, rolling in the center.

Soil, gravelly to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, blackbrush, mountain rush, and gramma grass.

N. $0^{\circ} 19'$ E. bet. secs. 3 and 4, counting distances from the true point for the cor. of secs. 3, 4, 9, and 10.

Over broken land, through scattered timber and scant undergrowth, desc. 165 ft. along a broken NW. slope.

7.50 Rocky draw, drains E., asc. 520 ft. along a broken SE. slope over ledges.

27.40 Rim of Tarantula Mesa, bears NE. and SW., continue asc. along a SE. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 3 ft. long and 1 in. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4}$
S 4|S 3
1955

Deposit broken glass at the base of the post.

Asc. 55 ft. along a SE. slope.

Subdivision, T. 33 S., R. 9 E.

Chains

- 47.50 Low, rocky ridge, bears NE. and SW., desc. 165 ft. over rolling NW. slope.
- 80.15 The cor. of secs. 3, 4, 33, and 34 on the N. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., conforming to the official record.
- Land, broken in the S., and rolling in the N.
Soil, sandy to gravelly clay loam.
Timber, juniper and pinon.
Undergrowth, shadscale, mountain rush, and gramma grass.
-
- Beginning at the cor. of secs. 1, 6, 7, and 12 on the E. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., conforming to the record.
- Thence:
- S. 89° 56' W. bet. secs. 1 and 12.
- Over broken land, through scattered timber and scant undergrowth, desc. 440 ft. along a W. slope to the $\frac{1}{4}$ sec. cor.
- 39.80 Small brush corral.
- 40.08 At the $\frac{1}{4}$ sec. cor. of secs. 1 and 12.
- Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
- $$\frac{1}{4} \frac{S \ 1}{S12} \\ 1955$$
- Deposit charcoal at the base of the post.
- Desc. 65 ft. along a SW. slope.
- 45.50 Wash, 20 lks. wide and 5 ft. deep, drains S., asc. 25 ft. along a SE. slope.
- 56.75 Low ridge, bears N. and S., desc. 275 ft. along a SW. slope.
- 75.50 Bullfrog Creek, dry, drains S., asc. 195 ft. along a SE. slope at the edge of Cave Flat.
- 80.16 At the cor. of secs. 1, 2, 11, and 12.
- Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
- $$T33SR9E \\ S \ 2 \ S \ 1 \\ S11 \ S12 \\ 1955$$
- Deposit a sandstone rock, 5 x 4 x 3 ins., mkd. with a cross (X) at the base of the post.
- Land, broken bench.
Soil, rocky clay loam.
Timber, juniper and pinon.
Undergrowth, shadscale, greasewood, and gramma grass.

Subdivision, T. 33 S., R. 9 E.

Chains

S. 89° 56' W. bet. secs. 2 and 11.

Over rolling top of Cave Flat, through scattered timber and scant undergrowth, asc. 60 ft. along a SE. slope.

1.50 Spur, projects S., desc. 45 ft. along a SW. slope.

8.50 Shallow wash, drains S. 60° W., continue along a S. slope.

20.75 Wash, 20 lks. wide and 5 ft. deep, drains S. 20° E., continue over broken top land.

33.50 Wash, drains S., asc. 60 ft. along a SE. slope.

38.10 Spur, projects S., desc. 15 ft. along a SW. slope.

40.08 At the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \text{ S } 2 \\ \hline \text{S11} \\ 1955 \end{array}$$

Deposit broken glass at the base of the post.

Desc. along a gentle SW. slope.

44.50 Draw, drains S., continue over broken bench land.

80.16 At the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$$\begin{array}{r} \text{T33SR9E} \\ \text{S } 3 \text{ | S } 2 \\ \hline \text{S10 | S11} \\ 1955 \end{array}$$

Deposit broken glass at the base of the post.

Land, rolling bench.

Soil, gravelly clay loam.

Timber, juniper.

Undergrowth, shadscale, mountain rush, and gramma grass.

S. 89° 56' W. bet. secs. 3 and 10.

Over broken bench land, through scattered timber and scant undergrowth.

1.00 Point of spur from the NE., desc. 60 ft. along a SW. slope.

3.00 Shallow draw, drains S. 60° E., continue along a broken N. slope.

20.50 Recross draw, drains N. 60° E. from the W.

28.20 Leave draw, drains E. from the NW.

40.08 At the $\frac{1}{4}$ sec. cor. of secs. 3 and 10.

Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

Subdivision, T. 33 S., R. 9 E.

Chains	
	<div style="text-align: right;"> $\begin{array}{r} S\ 3 \\ 4\ S10 \\ \hline 1955 \end{array}$ </div> <p>Deposit broken glass at the base of the post.</p> <p>Continue along a broken N. slope, at the W. end of Cave Flat.</p> <p>46.10 Recross draw, drains N. 70° E., continue along a broken S. slope.</p> <p>48.70 Recross draw, drains S. 80° E., asc. 465 ft. along a broken NE. slope, ascending the E. rim of Tarantula Mesa.</p> <p>77.00 Point of a rocky spur from the south, desc. 120 ft. along a broken NW. slope.</p> <p>80.16 True point for the cor. of secs. 3, 4, 9, and 10.</p> <p>Land, rough and broken slopes. Soil, gravelly to rocky clay loam. Timber, juniper and pinon. Undergrowth, shadscale, mountain rush, weeds, and gramma grass.</p> <hr/> <p>Beginning at the cor. of secs. 1, 2, 11, and 12.</p> <p>Thence:</p> <p>N. 0° 06' E. bet. secs. 1 and 2.</p> <p>Over rolling top of Cave Flat, through scattered timber and a medium dense undergrowth.</p> <p>24.40 Mine road, bears N. 15° E. and S. 15° W.</p> <p>38.00 Shallow wash, drains S. 30° W.</p> <p>40.00 At the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.</p> <p>Set an iron post, 30 ins. long and 2$\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <div style="text-align: right;"> $\begin{array}{r} \frac{1}{4} \\ S\ 2\ S\ 1 \\ \hline 1955 \end{array}$ </div> <p>Deposit a sandstone rock, 5 x 4 x 3 ins., mkd. with a cross (X) at the base of the post.</p> <p>46.80 Low spur, projects W.</p> <p>71.00 Shallow wash, drains SW.</p> <p>79.86 The cor. of secs. 1, 2, 35, and 36 on the N. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., conforming to the record.</p> <p>Land, rolling desert. Soil, sandy to gravelly clay loam. Timber, juniper and pinon. Undergrowth, greasewood, Indian rice, shadscale, bitter brush, and gramma grass.</p>

Subdivision, T. 33 S., R. 9 E.

Chains	
	Beginning at the cor. of secs. 2, 3, 10, and 11.
	Thence:
	N. 0° 12' E. bet. secs. 2 and 3.
	Over broken land, through scattered timber and scant undergrowth, asc. 320 ft. along a SE. slope.
22.85	Rocky spur, projects E., desc. 300 ft. along a broken NE. slope.
39.00	Draw, drains E., asc. along a SE. slope.
40.00	At the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long and $2\frac{1}{2}$ ins. in diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	$\frac{1}{4}$ S 31 S 2 1955
	Deposit a sandstone rock, 5 x 4 x 3 ins., mkd. with a cross (X) at the base of the post.
	Asc. 189 ft. along a broken SE. slope.
52.00	Spur, projects SE., continue ascent of 460 ft. along a broken SW. slope on the S. break of Tarantula Mesa.
75.30	Rim of Tarantula Mesa, bears NW. and SE., continue ascent over top.
79.94	The cor. of secs. 2, 3, 34, and 35 on the N. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., conforming to the record.
	Land, broken in the S. and rolling in the N. Soil, gravelly to rocky clay loam. Timber, juniper and pinon. Undergrowth, shadscale, rice, and gramma grass.
	Beginning at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.
	Thence:
	N. 0° 03' W. bet. secs. 32 and 33.
	Over rolling top of Swap Mesa, through scattered timber and scant undergrowth.
4.80	Rim of mesa, bears E. and W., desc. 575 ft. along a broken NE. slope over ledges.
23.50	Rocky draw, drains N. 60° E., continue along a broken E. slope.
28.70	Rocky draw, drains E. about 5 chs., thence S. and SE., asc. 195 ft. over broken S. slope over ledges.
40.00	Point for the $\frac{1}{4}$ sec. cor. falls on steeply sloping sandstone ledge, where the monument cannot be erected. Asc. 480 ft. over a broken S. slope over ledges.
49.60	On the S. rim of a point of Swap Mesa bearing N. 70° W. and S. 70° E.

Chains

Set an iron post, 3 ft. long and 1 in. diam., 6 ins. in the ground to solid rock, and in a mound of stone, at the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33, with brass cap mkd.

$\frac{1}{4}$
S32|S33
W C
1955

Deposit broken glass at the base of the post.

Continue over the rolling mesa top.

61.50 Leave Swap Mesa, rim bears N. 70° W. and S. 70° E., desc. 435 ft. along broken NE. slope over ledges.

75.50 Rocky draw, drains E., continue along a broken E. slope.

77.60 Rocky draw, drains SE., asc. 95 ft. along a broken SE. slope over ledges.

80.00 Point for the cor. of secs. 28, 29, 32, and 33 falls on steeply sloping sandstone ledge, where the monument cannot be erected.

(Note: A witness point is established at a point 11.93 chs. N. 89° 58' W.)

Land, broken mesa.

Soil, shallow, gravelly to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale, mountain rush, bitter brush, and gramma grass.

Beginning at the cor. of secs. 15, 16, 21 and 22.

Thence:

West, bet. secs. 16 and 21.

Over rolling mesa top, through scattered timber and scant undergrowth asc. 85 ft. along a general SE. slope.

16.90 Low spur, projects S. 10° W., desc. 125 ft. along a SW. slope.

31.50 Wash, 25 lks. wide and 2 ft. deep, drains S. 10° E., asc. along a gentle SE. slope.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 3 ft. long and 1 in. diam., 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4}$ $\frac{S16}{S21}$
1955

Deposit a sandstone rock, 5 x 4 x 3 ins. mkd. with a cross (X) at the base of the post.

47.10 E. rim of canyon, bears S. and NW., desc. 250 ft. along a broken SW slope over ledges.

50.80 Wash in the bottom of canyon, drains S. 10° E., asc. 265 ft. along a broken SE. slope over ledges.

54.50 W. rim of canyon, bears N. and S., asc. 75 ft. along a SE. slope.

Subdivision, T. 33 S., R. 9 E.

Chains

- 61.50 Low spur, projects SE., desc. 165 ft. along a broken SW. slope.
- 74.50 Rocky draw, drains S. 60° E., asc. 60 ft. along a broken NE. slope over ledges.
- 80.00 Point for the cor. of secs. 16, 17, 20, and 21 falls on steeply sloping sandstone ledge, where the cor. monument cannot be erected.
- Land, rolling to broken mesa top.
Soil, shallow gravelly to rocky clay loam.
Timber, juniper and pinon.
Undergrowth, greasewood, mountain rush, and gramma grass.

N. 0° 03' W. bet. secs. 16 and 17, counting distances from the true point for the cor. of secs. 16, 17, 20, and 21.

Over broken land, through scattered timber and scant undergrowth, desc. 75 ft. along a broken NE. slope.

- 2.10 Sandstone draw, drains S. 60° E., asc. 185 ft. along a broken SW. slope over ledges.
- 4.07 Set an iron post, 3 ft. long and 1 in. diam., 10 ins. in the ground to solid rock, and in a mound of stone, at the witness cor. of secs. 16, 17, 20, and 21, with brass cap mkd.

T33SR9E
S17|S16
S20|S21
W C
1955

Deposit a sandstone rock, 5 x 4 x 3 ins. mkd. with a cross (X) at the base of the post.

Asc. 145 ft. along a broken SW. slope.

- 12.00 Sandstone ledge about 50 ft. high, bears NW. and SE., asc. 240 ft. along a SW. slope.
- 34.70 Clay spur, projects SW., desc. 85 ft. along a NW. slope.
- 40.00 At the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 3 ft. long and 1 in. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

$\frac{1}{4}$
S17|S16
1955

Deposit broken glass at the base of the post.

- 40.10 Shallow draw, drains NE.
- 58.00 Draw, drains E., asc. 385 ft. along a SW. slope.
- 77.50 Sandstone ledge about 100 ft. high, bears NW. and SE.
- 80.00 At the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 3 ft. long and 1 in. diam., 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

Subdivision, T. 33 S., R. 9 E.

Chains

T33SR9E

S 8 | S 9

S 17 | S 16

1955

Deposit broken glass at the base of the post.

Land, broken mesa top.

Soil, shallow gravelly to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale and gramma grass.

Beginning at the cor. of secs. 9, 10, 15, and 16.

Thence:

West, bet. secs. 9 and 16.

Over broken land, through scattered timber and scant undergrowth, asc. 125 ft. along a broken NE. slope.

23.20 Blue clay spur, projects S. 60° E., desc. 35 ft. along a SW. slope.

27.00 Draw, drains SE., asc. 70 ft. along an E. slope.

30.00 Spur, projects S. 20° E., desc. 75 ft. along a SW. slope.

40.01 At the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 3 ft. long and 1 in. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

 $\frac{1}{4} \frac{S 9}{S 16}$

1955

Deposit charcoal at the base of the post.

Desc. 175 ft. along a SW. slope.

52.90 Draw, drains SE., asc. 105 ft. along a SE. slope.

69.60 Spur, projects N. 60° E., desc. 35 ft. along a NW. slope.

73.00 Draw, drains NE., asc. 275 ft. along an E. slope.

77.60 Spur, projects S. 20° E., desc. along a SW. slope.

80.02 The cor. of secs. 8, 9, 16, and 17.

Land, broken bench.

Soil, gravelly to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, shadscale, mountain rush, and gramma grass.

Beginning at the cor. of secs. 5, 6, 31, and 32 on the S. bdy. of the Tp.

Thence:

N. 0° 03' W. bet. secs. 31 and 32.

Subdivision, T. 33 S., R. 9 E.

Chains

Over rolling mesa top, through scattered timber and scant undergrowth
Asc. along a rolling SE. slope.

32.00 Rocky spur, projects NE.

40.00 At the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 3 ft. long and 1 in. diam., 12 ins. in the ground
to solid rock, and in a mound of stone, with brass cap marked

$\frac{1}{4}$
S31|S32
1955

Deposit a sandstone rock, 5 x 4 x 3 ins., mkd. with a cross
(X) at the base of the post.

42.00 S. rim of canyon, bears N. 10° E., and S. 10° W., desc. 250 ft.
along a NW. slope.

55.00 Rocky draw, drains NE. about 6 chs., thence E., continue along a
rocky E. slope.

65.10 Rocky draw, drains SE., asc. 275 ft. along a broken SE. slope over
ledges.

71.90 N. rim of canyon, bears N. 10° E. and S. 10° W., continue ascent
along a SE. slope.

80.00 At the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 3 ft. long and 1 in diam., 8 ins. in the ground
to solid rock, and in a mound of stone, with brass cap marked

T33SR9E
S30|S29
S31|S32
1955

Deposit broken glass at the base of the post.

Land, broken mesa.

Soil, shallow gravelly to rocky clay loam.

Timber, juniper and pinon.

Undergrowth, mountain rush, bitter brush, and gramma grass.

Beginning at the true point for the cor. of secs. 28, 29, 32, and 33.

Thence:

N. 89° 58' W. bet. secs. 29 and 32.

Over broken land, through scattered timber and scant undergrowth,
desc. 70 ft. along a rocky SW. slope over ledges.

2.50 Rocky draw, drains SE., asc. 490 ft. along a broken E. slope.

11.93 On the W. rim of a canyon bearing N. and S. Over a cross (X) cut
into solid rock,

Set an iron post, 3 ft. long and 1 in. diam., in a large mound of
stone, at the witness point of secs. 28, 29, 32, and 33, with brass
cap marked

Subdivision, T. 33 S., R. 9 E.

Chains

W P
T33SR9E
S29|S28
S32|S33 →
1955

Continue along a broken S. slope.

40.00

At the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 3 ft. long and 1 in. diam., 27 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S29
S32
1955

Raise a mound of stone, $2\frac{1}{2}$ ft. base and $2\frac{1}{2}$ ft. high, north of the post.

Desc. 250 ft. along a broken SW. slope.

55.50

Draw, drains S., asc. 265 ft. along a broken SE. slope.

63.75

Spur, projects S., desc. 290 ft. along a broken SW. slope over ledges.

76.50

Draw, drains S. 10° E., asc. 240 ft. along a SE. slope over ledges.

79.00

Sandstone rim, bears N. 10° E. and S. 10° W.

80.00

The cor. of secs. 29, 30, 31, and 32.

Land, rough and broken mesa top.

Soil, rocky clay loam.

Timber, juniper and pinon.

Undergrowth, bitter brush and mountain rush.

General Description

The land in the township is principally high mesas cut by deep, steep-sided box canyons. The drainage is southeasterly, mainly into Muley and Bullfrog canyons. Muley joins Bullfrog a few miles south of the south boundary of the township. Both canyons have intermittent streams of alkaline water during the wet season. The soil in the southern part is a deep, heavy clay and in the north a light sandy clay, and is very poor in character. The timber found consists of dwarf juniper and pinon and is of little value except for fire wood and fence posts. The undergrowth includes shadscale, mountain rush, greasewood, bitter brush, and gramma grass. The cover is very scanty, and is being badly overgrazed at the present time. There are no habitations in the township. There are a few unimproved truck trails, built mainly to facilitate prospecting. There is no prospecting being carried on at the present time, but the entire area has been examined for fissionable materials, and many claim corners were encountered.

CERTIFICATE OF CADASTRAL ENGINEER

We ~~i~~, Fred R. Chappell and Robert K. Burgess, ~~HEREBY CERTIFY~~ upon honor that, in pursuance of special instructions bearing date of the 2nd day of March, 1954, we have surveyed those parts of the south boundary and of the subdivision of Township 33 South, Range 9 East-

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by ~~us~~ and under ~~our~~ direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 13, 1956

Fred R. Chappell
Fred R. Chappell-Cartographic Survey

Robert K. Burgess
Robert K. Burgess-Cartographic Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 11 1956, 19

The foregoing field notes of the survey of the south boundary and portions of the subdivision of Township 33 South, Range 9 East, Salt Lake Meridian, Utah

executed by Fred R. Chappell and Robert K. Burgess, Cartographic Survey Aids having been critically examined and found correct, are hereby approved.

James O. Bennett
Chief, Division of Cadastral Engineering
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the North-South Center Line

of

Section 5

in

Township 33 South, Range 12 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Robert C. Yundt, Cadastral Surveyor

Under special instructions dated June 30, 1949, which provided
for the surveys included under Group No. 372, approved July 18, 1949
and assignment instructions dated August 8, 1949

Survey commenced August 18, 1949

Survey completed August 18, 1949

INDEX DIAGRAM

Township 33 South, Range 12 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Township 33 South, Range 12 East

Chains

The following survey was made under Group 372-Utah for the purpose of locating improvements in section 5, Township 33 South, Range 12 East of the Salt Lake Meridian, Utah reported as being in trespass upon the public domain. Only the north-south center line of the section was run and ties made to the improvements, but no corners were monumented. The original survey of the township was executed by Elliot Bird and Robert C. Yundt in 1923.

The survey was made in connection with similar surveys in Township 32 South, Range 12 East and reference is made to the field notes of that survey for a description of the instruments used and the method of survey.

Beginning at the original section corner of sections 5 and 32, Townships 32 and 33 South, Range 12 East, marked by an iron post 1 inch in diameter, conforming to the record:

Thence:

S. 0°03' E. along the north-south center line of section 5.

30.90 Fence line, bears N. 66°18' W. 3.97 chains to corner and thence SW., and S. 66°18' E. 6.27 chains to corner and thence SW., thence through cultivated land.

34.80 Fence line, bears N. 67°15' W. 5.59 chains to corner and thence NE., and S. 67°15' E. 4.82 chains thence NE. From the same point the southeast corner of the Trachyte Ranch house bears N. 52°52' W., 10.35 chains and the southeast corner of an oblong, fenced lot bears N. 56°38' W. 9.75 chains. This lot is about 3.00 chains by 4.25 chains and is located with the long side in a northeasterly and southwesterly direction.

39.74 The temporary center section corner at proportionate distance. No monument established. Set a small hub firmly in the ground.

79.63 The original section corner of sections 5 and 8, marked by an iron post 1 inch in diameter, conforming to the record.

Salt Lake City, Utah.
March 28, 1957

Robert C. Yundt
Robert C. Yundt
Cadastral Surveyor

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the North and East Boundaries.

a Portion of the South Boundary

and

a Portion of the Subdivisional Lines

of

Township 33 South, Range 13 East

Of the

Salt Lake

Meridian,

In the State of

Utah

EXECUTED BY

Cannon G. Parkinson, Cartographer (Cadastral)

Under special instructions dated March 17, 1955, which provided
for the surveys included under Group No. 400, approved April 7, 1955
and assignment instructions dated March 30, 1955

Survey commenced August 31, 1955

Survey completed October 28, 1955

INDEX DIAGRAM

Township 33 South, Range 13 East

12 6	11 5	10 4	9 18 3	9 2	8 1 7
7	8	9 21	17 10	11	12 6
18	17	20 16 19	16 15	14	13 6
19	20	21	15 22	23	24 5
20	29	28	15 27	26	25 4 13
31	32	33	14 34 1	35 2	12 36 4 3

152-1
2528
222

Township 33 South, Range 13 East

Chains

The west boundary and the west three miles of the south boundary were surveyed by Elliot Bird and R. C. Yundt in 1923.

The following field notes are those of the north and east boundaries and a portion of the south boundary and a portion of the subdivision of T. 33 S., R. 13 E., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with a Buff and Buff solar transit No. 23815 constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work, and was tested and checked frequently during the progress of the survey.

The directions of all lines being reported were determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established courses were run by random and true method, but for the simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with steel tapes, eight chains in length, graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or by triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions have been omitted from these field notes.

The geographic position of the southeast corner of T. 33 S., R. 13 E., is latitude $37^{\circ} 53' 08''$ N., and longitude $110^{\circ} 25' 15''$ W., as determined by traverse from U.S.G.S. triangulation station "Mine", located in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be $15^{\circ} 00'$ E.

Survey of a Portion of the South Boundary of T. 33 S., R. 13 E.

Beginning at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, a 2 in. iron post, set, mkd. and witnessed as described in the official record.

East, bet. secs. 3 and 34.

Over broken mesa top, general southwesterly drainage; asc. 180 ft. over broken NW. slope and ledge.

7.00

Ledge, about 40 ft. high, bears N. 20° E. and S. 20° W.; asc. 110 ft. along broken N. slope.

283

Survey of a Portion of the South Boundary of T. 33 S., R. 13 E.

Chains	
18.30	Top of small ridge, bears NE. and SW.; desc. 120 ft. over SE. slope.
32.40	Wash, 30 lks. wide, 2 ft. deep, course S.; asc. 60 ft. over SW. slope.
36.10	Spur, projects SE.; desc. 100 ft. along broken SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. $\frac{1}{4}$ S 34 1955 Desc. 70 ft. along broken S. slope.
48.10	Wash, 30 lks. wide, 1 ft. deep, course S.; asc. 80 ft. on SW. slope.
54.10	Spur, projects S. 10° W.; desc. 80 ft. along broken S. slope.
68.00	Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 20 ft. over NW. slope.
74.00	Spur, projects NW.; desc. 20 ft.
78.00	Same wash, 15 lks. wide, $1\frac{1}{2}$ ft. deep, course NW.; asc. 10 ft.
80.00	Point for the cor. of secs. 34 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 13 ins. in the ground to bedrock, with brass cap mkd. T33S R13E S34/S35 1955 Raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post, to top. Land, broken. Soil, shallow sand. No timber.
32.13	East, bet. secs. 2 and 35. Asc. 240 ft. over irregular sandstone formations draining in a general southwesterly direction. Point for the witness $\frac{1}{4}$ sec. cor. of sec. 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd. $\frac{1}{4}$ S 35 1955 Raise a mound of stone, $4\frac{1}{2}$ ft. base, around the iron post, to top.

Section along the South Boundary of T. 33 S., R. 13 E.

Over irregular sandstone formations.

True point for the $\frac{1}{4}$ sec. cor. of sec. 35, falls on inaccessible face of nearly vertical sandstone cliff.

Desc. 200 ft. over cliff, about 100 ft. high, bears NW. and SE., and NE. talus slope.

Base of descent; asc. 200 ft. over broken NW. talus slope and cliff, about 100 ft. high.

E. crest of mesa, bears S. and NW.; desc. 880 ft. over cliff, about 150 ft. high, and broken E. talus slope.

Point for the cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

T33S R13E

S35 | S36

T34S

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Land, broken.

Soil, shallow sand and exposed sandstone.

No timber.

East, along the S. bdy. of sec. 36.

Over broken land; asc. 40 ft.

8.00 Spur, projects NE.; desc. 240 ft. over broken E. slope.

19.00 North Wash, 40 lks. wide, 4 ft. deep, course SE.; asc. 20 ft. over SW. slope.

25.00 State Highway, No. 95, bears SE. and NW.; desc. 20 ft. over SE. slope.

32.50 Wash, 3 lks. wide, 4 ft. deep, course S. 10° E.; asc. 50 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$ S 36

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Asc. 380 ft. over broken S. slope and ledge, about 80 ft. high, bears SE. and W.

53.90 Top of ledge, bears N. and S.; asc. 230 ft. over broken SW. slope.

60.00 Point for the SE. cor. of T. 33 S., R. 13 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

Survey of a Portion of the South Boundary of T. 33 S., R. 13 E.

Chains

T33S
R13E
S36

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top

Land, broken.

Soil, shallow sand.

No timber.

Survey of the East Boundary of T. 33 S., R. 13 E.

North, along the E. bdy. of sec. 36.

Over broken and mountainous land; asc. 120 ft. over gradual S. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
S 36

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top

Asc. 560 ft. over steep broken SE. slope and cliff, about 150 ft. high, bears SW. and NE.

59.00

S. rim of mesa, top of cliff; asc. 30 ft. over broken mesa top, easterly drainage.

80.00

Point for the cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an X on sandstone surface, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

T33S
R13E
S25
S36

1955

Land, broken and mountainous.

Soil, shallow sand.

Timber, scattered pinon on top of mesas.

North, along the E. bdy. of sec. 25.

Over broken mesa top; asc. 10 ft.

1.37

Ridge, bears SW. and NE.; desc. 60 ft. over broken NW. slope.

13.80

N. rim of mesa, bears SW. and NE.; desc. 710 ft. over cliff, about 150 ft. high, and broken N. talus slope.

27.00

Wash, 30 lks. wide, 3 ft. deep, course N. 70° W.; asc. 20 ft. over S. slope.

Survey of the East Boundary of T. 33 S., R. 13 E.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 25.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
 S 25 |
 1955

Raise a mound of stone, $4\frac{1}{2}$ ft. base, around the iron post, to top.

Desc. 20 ft. over NW. slope.

61.81

Wash, 60 lks. wide, 3 ft. deep, course SW.; asc. 100 ft. over gradual SW. slope.

80.00

Point for the cor. of secs. 24 and 25.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.

T33S |
 R13E |
 S24 |
 S25 |
 1955

Land, broken.

Soil, shallow sand.

No timber.

North, along the E. bdy. of sec. 24.

Over broken and mountainous land; asc. 700 ft. over steep broken SE. talus slope and cliff.

21.50

S. rim of mesa, top of cliff, about 200 ft. high, bears NE. and SW.; asc. 40 ft. over SE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an X on sandstone surface, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 S 24 |
 1955

Desc. 400 ft. over steep broken N. talus slope.

54.00

Wash, 1 ch. wide, 6 ft. deep, course W.; asc. 240 ft. over broken SW. talus slope.

66.00

Top of ascent, bears E. and W.; asc. 80 ft. over gradual SE. slope.

73.00

Ridge, bears NE. and SW.; desc. 30 ft. over NW. slope.

80.00

Point for the cor. of secs. 13 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

Survey of the East Boundary of T. 33 S., R. 13 E.

Chains

T33S	
R13E	R14E
S13	S7
S24	

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Land, broken.

Soil, shallow sand.

No timber.

North, along the E. bdy. of sec. 13.

Desc. 80 ft. over broken NW. slope.

5.00 Begin steep descent.

14.50 Wash, 2 chs. wide, 5 ft. deep, course SW.; asc. 280 ft. over broken SE. slope.

33.50 Ridge, bears NE. and SW.; desc. 60 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

	$\frac{1}{4}$
S 13	

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Desc. 280 ft. over steep NW. slope.

54.00 Wash, 60 lks. wide, 5 ft. deep, course SW.; asc. over steep broken N. slope.

64.00 Top of steep ascent, bears NE. and SW.; asc. 40 ft. over gradual SW. slope.

80.00 Point for the cor. of secs. 12 and 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an X on a sandstone surface, and in a mound of stone, $4\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T33S	
R13E	R14E
S12	S6
S13	

1955

Land, broken.

Soil, shallow sand.

No timber.

North, along the E. bdy. of sec. 12.

Over broken mesa top; desc. 10 ft. along W. slope.

Survey of the East Boundary of T. 33 S., R. 13 E.

Chains

15.00. Wash, 50 lks. wide, 2 ft. deep, course W.; asc. 240 ft. over broken SE. slope.

40.00 . Point for the $\frac{1}{4}$ sec. cor. of sec. 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
 S 12 |
 1955

Raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post, to top.

Asc. 50 ft. over NE. slope.

48.00 Spur, projects SW.; desc. 80 ft. along broken W. slope.

80.00 Point for the cor. of secs. 1 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

T33S |
 R13E |
 S1 |
 S12 |
 1955

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Land, broken and mountainous.

Soil, shallow sand.

Timber, scattered juniper.

North, along the E. bdy. of sec. 1.

Desc. 80 ft. over NW. slope.

19.50 Wash, 30 lks. wide, 7 ft. deep, course SW.; asc. 100 ft. over SW. slope.

30.00 Spur, projects S. 70° W.; desc. 120 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 1.

Set an iron post, 36 ins. long, 1 in. diam., 3 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
 S 1 |
 1955

Raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post, to top.

Asc. 160 ft. over SE. slope.

50.00 Spur, projects S. 60° W.; desc. 120 ft. over NW. slope.

54.50 Wash, 30 lks. wide, 2 ft. deep, course N. 70° W.; asc. 40 ft.

Survey of the East Boundary of T. 33 S., R. 13 E.

Chains

60.00 Spur, projects NW.; desc. 120 ft. along broken NW. slope.

80.00 Point for the cor. of secs. 1, 30, 31 and 36, Ts. 32 S., Rs. 13 and 14 E., T. 32 $\frac{1}{2}$ S., R. 14 E., and T. 33 S., R. 13 E.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

T32S
R13E R14E
S36/S31
S1/S30
T33S/T32 $\frac{1}{2}$ S
1955

Land, broken bench top.

Soil, shallow sand and sandstone exposure.

Timber, scattered juniper on mesa tops.

Survey of the North Boundary of T. 33 S., R. 13 E.

Beginning at the cor. of secs. 1, 30, 31 and 36, at the NE. cor. of the Tp.

West, bet. secs. 1 and 36.

Over broken mesa top, draining in a SW. direction.

Desc. 20 ft. over NW. slope.

2.20 Wash, 1.40 chs. wide, 20 ft. deep, course SW.; asc. 80 ft. over SE. slope.

15.00 Ridge, bears NE. and SW.; desc. 10 ft. over W. slope.

22.80 Begin steep descent; desc. 100 ft. over broken NW. slope.

38.50 Wash, 50 lks. wide, 4 ft. deep, course NW.; asc. 20 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$ S 36.
S 1
1955

Raise a mound of stone, 3 ft. base, around the iron post, to top.

Desc. 60 ft. over NW. slope.

54.50 Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 110 ft. over SE. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

T32S R13E
S35/S36
S2/S1
T33S
1955

Survey of the North Boundary of T. 33 S., R. 13 E.

Chains

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Land, broken bench top.

Soil, shallow sand.

Timber, scattered juniper.

West, bet. secs. 2 and 35.

Over broken bench top, draining southwesterly.

Desc. 320 ft. over broken NW. slope.

21.80 Wash, 20 lks. wide, 2 ft. deep, course NW.; asc. 20 ft.

26.50 Spur, projects NW.; desc. 80 ft. over W. slope.

37.00 Wash, 30 lks. wide, 3 ft. deep, course SW.; asc. 20 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

$\frac{S\ 35}{S\ 2}$
1955

Raise a mound of stone, 3 $\frac{1}{2}$ ft. base, around the iron post, to top.

Asc. 180 ft. over SE. slope.

57.50 Ridge, bears NE. and SW.; desc. 50 ft. over W. slope.

68.00 Beginning of steep descent; desc. 240 ft. over broken W. to NW. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

T32S R13E
 $\frac{S34\ S35}{S3\ S2}$
T33S
1955

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Land, broken.

Soil, shallow sand.

Timber, scattered juniper.

West, bet. secs. 3 and 34.

Over broken mesa top, draining southwesterly.

Desc. 120 ft. over broken NW. slope.

3.50 E. rim of Marinus Canyon; desc. 320 ft. over steep broken W. slope and ledges.

291

Survey of the North Boundary of T. 33 S., R. 14 E.

Chains	
13.50	Wash, bottom of Marinus Canyon, 1 ch. wide, 4 ft. deep, course S. 20° W.; asc. 360 ft. over steep broken E. slope and ledges, bears N. and S.
20.00	W. rim of Marinus Canyon; asc. 300 ft. over NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd. $\begin{array}{r} \frac{1}{4} \text{ } \underline{\text{S } 34} \\ \text{S } 3 \\ 1955 \end{array}$ <p>Raise a mound of stone, 4 ft. base, around the iron post, to top. Asc. 40 ft. over SE. slope.</p>
42.00	E. crest of low bench; continue over low bench top.
54.20	W. crest of bench; desc. 200 ft. over W. slope.
62.50	Base of descent; asc. 120 ft. over NE. slope and small ledges.
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over an X on sandstone surface, and in a mound of stone, 4 $\frac{1}{2}$ ft. base, to top of post, with brass cap mkd. $\begin{array}{r} \text{T32S R13E} \\ \underline{\text{S33} \text{S34}} \\ \text{S4} \text{S3} \\ \text{T33S} \\ 1955 \end{array}$ <p>Land, broken. Soil, shallow sand. Timber, scattered juniper.</p>
	West, bet. secs. 4 and 33. Over broken mesa top, draining westerly. Desc. 40 ft. over nearly level land.
23.50	Begin steep descent; desc. 250 ft. over broken W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33., Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd. $\begin{array}{r} \frac{1}{4} \text{ } \underline{\text{S } 33} \\ \text{S } 4 \\ 1955 \end{array}$ <p>Raise a mound of stone, 3 ft. base, around the iron post, to top. Desc. 30 ft. over nearly level land.</p>
51.00	E. rim of North Wash Canyon, bears NE. and S.; desc. 500 ft. over steep broken exposed sandstone slope, slopes NW.

Survey of the North Boundary of T. 33 S., R. 13 E.

Chains

69.50	North Wash, 1 ch. wide, 6 ft. deep, course S.; asc. 20 ft.
70.50	State Highway, No. 95, bears N. and S.; asc. 320 ft. over nearly vertical sandstone cliff.
77.70	W. rim of North Wash Canyon, bears N. 20° W. and S. 20° E.; asc. 20 ft. over E. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33. Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, with brass cap mkd. <div style="text-align: center;"> T32S R13E <u>S32 S33</u> S5 S4 T33S 1955 </div> Raise a mound of stone, 4 ft. base, around the iron post, to top. Land, broken. Soil, shallow sand and exposed sandstone. No timber.
	West, bet. secs. 5 and 32. Over broken mesa top, draining southerly. Asc. 120 ft. over NE. slope.
10.80	Ledge, about 20 ft. high, bears N. and S.; asc. 30 ft. over gradual SE. slope.
14.00	Ridge, bears NW. and SE.; desc. 30 ft. over gradual SW. slope.
18.20	Begin steep descent; desc. 240 ft. over broken W. slope.
29.00	Wash, 25 lks. wide, 2 ft. deep, course S.; asc. 120 ft. over NE. slope..
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. <div style="text-align: center;"> $\frac{1}{4}$ <u>S 32</u> S 5 1955 </div> Raise a mound of stone, 4 ft. base, around the iron post, to top. Asc. 80 ft. over E. slope.
46.00	Spur, projects SE.; desc. 120 ft. over broken SW. slope.
72.00	Wash, 30 lks. wide, 2 ft. deep, course S.; asc. 80 ft. over E. slope.
77.00	Spur, projects SE.; desc. 40 ft.
80.00	Point for the cor. of secs. 5, 6, 31 and 32. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

Survey of the North Boundary of T. 33 S., R. 13 E.

Chains

T32S R13E

S31|S32

S6|S5

T33S

1955

Raise a mound of stone, 3 ft. base, around the iron post, to top.

Land, broken.

Soil, shallow sand.

No timber.

West, bet. secs. 6 and 31.

Over broken mesa top; desc. 160 ft. over E. rim of Hog Canyon.

8.80 Wash, bottom of Hog Canyon, 40 lks. wide, 2 ft. deep, course SE.; asc. 40 ft. abruptly to W. bank of wash, and thence across level bottom land.

29.50 Begin steep ascent; asc. 280 ft. over nearly vertical sandstone ledges, bears NW. and SE., and broken NE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31, falls on an inaccessible sandstone slope, W. rim of Hog Canyon.

45.15 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 31}{S\ 6}$ W
C
1955

Raise a mound of stone around the iron post, to top.

Raise a mound of stone, 3 ft. base, W. of the iron post.

Note: The witness cor. is located near the head of a wash which enters the W. side of Hog Canyon at 10 chs. north of line, course NE.

Asc. 200 ft. over broken E. slope.

57.50 Top of steep ascent; desc. 40 ft. over rolling mesa top.

79.30 The cor. of secs. 1, 6, 31 and 36, Ts. 32 and 33 S., Rs. 12 and 13 E.

Land, broken.

Soil, shallow sand.

No timber.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

From the cor. of secs. 35 and 36, on the S. bdy. of the township.

N. 0° $01'$ W., bet. secs. 35 and 36.

Over broken land; desc. 70 ft. along broken E. slope.

13.40 Ledge, about 20 ft. high, bears E. and W.; desc. 400 ft. over ledge and broken NE. slope.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains	
25.80	Ledge, about 60 ft. high, bears NW. and SE.; desc. 90 ft.
33.60	North Wash, 50 lks. wide, 2 ft. deep, course SE.; asc. 40 ft.
39.00	State Highway, No. 95, bears NW. and SE.; asc. 20 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd. $\frac{1}{4}$ S 35 S 36 1955 Raise a mound of stone, 5 ft. base, around the iron post, to top. Asc. 280 ft. over broken S. slope.
49.80	N. rim of North Wash Canyon, bears E. and W.; asc. 80 ft. over SW. slope.
61.50	Spur, projects W.; desc. 20 ft.
64.00	Wash, 30 lks. wide, 2 ft. deep, course S. 60° W.; asc. 10 ft. over S. slope.
66.00	Road, mine access, bears NE. and W.; asc. 360 ft. over steep broken S. slope.
76.94	Point selected for the witness cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd. T33S R13E W C <u>S26 S25</u> S35 S36 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top.
80.00	True point for the cor. of secs. 25, 26, 35 and 36, falls on an inaccessible sandstone wall. Land, broken. Soil, shallow sand. No timber.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township. N. $89^{\circ} 56'$ W., bet. secs. 25 and 36. Over broken mesa top; desc. 20 ft. over gradual NW. slope.
8.50	W. rim of mesa, bears N. 30° E. and S. 30° W.; desc. 720 ft. over cliff, about 200 ft. high, and broken W. talus slope.
21.50	Wash, 15 lks. wide, 3 ft. deep, course NW.; asc. 10 ft. along steep NE. slope.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains	
28.20	Spur, projects N. 70° W.; desc. 180 ft. over broken W. slope.
38.80	Wash, 40 lks. wide, 2 ft. deep, course N.; asc. 10 ft.
40.06	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. $\frac{1}{4} \begin{array}{r} S 25 \\ S 36 \\ 1955 \end{array}$
	Raise a mound of stone, 3 ft. base, around the iron post, to top. Asc. 20 ft. over NE. slope.
41.50	Spur, projects N.; desc. 120 ft. over NW. slope.
48.90	Wash, 1 ch. wide, 5 ft. deep, course S. 20° W.; asc. 140 ft. over E. slope.
58.00	Road, mine access, bears NE. and SW.; asc. 400 ft. over steep broken SE. talus slope.
77.00	Extreme SW. point of high mesa; desc. 80 ft. over broken W. slope and ledges.
80.12	True point for the cor. of secs. 25, 26, 35 and 36. Land, broken. Soil, shallow sand and shale. Timber, thinly scattered pinon and juniper.
	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township. N. 0° 02' W., bet. secs. 33 and 34. Over broken mesa top; desc. 40 ft.
5.00	Wash, 20 lks. wide, 1 ft. deep, course SW.; asc. 200 ft. over broken S. slope and ledge.
12.20	Top of ledge, about 40 ft. high, bears NE. and SW.; asc. 180 ft. over broken SW. slope.
37.10	Ridge, bears NW. and SE.; desc. 40 ft. over NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34. Set an iron post, 36 ins. long, 1 in. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. $\frac{1}{4} \begin{array}{r} S 33 \mid S 34 \\ 1955 \end{array}$
	Desc. 280 ft. over NW. slope.
58.00	Wash, 40 lks. wide, 1 ft. deep, course SW.; asc. 200 ft. over broken exposed sandstone.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

64.50	Spur, projects SW.; desc. 80 ft. over NW. slope.
74.50	Wash, 20 lks. wide, 1 ft. deep, course SW.; asc. 60 ft.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 36 ins. long, 1 in. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;">T33S R13E <u>S28 S27</u> <u>S33 S34</u> 1955</div>
	Land, broken. Soil, shallow sand and exposed sandstone. No timber.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken sandstone; draining southwesterly; asc. 210 ft. over broken S. slope.
19.20	Spur, projects NW.; desc. 200 ft. along steep W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 36 ins. long, 1 in. diam., 5 ins. in the ground to bedrock, with brass cap mkd. <div style="text-align: center;">$\frac{1}{4}$ S 28 S 27 1955</div>
	Raise a mound of stone, 4 $\frac{1}{2}$ ft. base, around the iron post, to top.
	Desc. 10 ft. over rolling exposed sandstone, draining southwesterly.
65.70	Ledge, about 10 ft. high, bears NE. and SW.; desc. 70 ft. over broken NW. slope.
74.78	Point selected for the witness cor. of secs. 21, 22, 27 and 28. Set an iron post, 36 ins. long, 1 in. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;">T33S R13E W C <u>S21 S22</u> <u>S28 S27</u> 1955</div>
80.00	True point for the cor. of secs. 21, 22, 27 and 28, falls on broken N. slope. Unsafe place for corner. Land, broken. Soil, shallow sand and exposed sandstone. No timber.
	N. 0° 02' W., bet. secs. 21 and 22.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains	Over broken mesa top; desc. 40 ft. over broken N. slope.
4.80	Wash, 20 lks. wide, 1 ft. deep, course E.; asc. 210 ft. over a series of small washes, draining E., and along a steep broken E. slope.
32.00	Top of ledge, bears SW. and E., about 40 ft. high; asc. 50 ft. over SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22. Set an iron post, 36 ins. long, 1 in. diam., 14 ins. in the ground to bedrock, with brass cap mkd. $\begin{array}{c} \frac{1}{4} \\ S\ 21 \mid S\ 22 \\ 1955 \end{array}$ Raise a mound of stone, 3 ft. base, around the iron post, to top Asc. 20 ft. over SW. slope.
45.50	Ridge, bears NW. and SE.; desc. 50 ft. over N. slope.
52.50	Wash, 60 lks. wide, 3 ft. deep, course E.; asc. 40 ft. over SE. slope.
57.20	Spur, projects S. 70° E.; desc. 40 ft.
59.80	Wash, 40 lks. wide, 2 ft. deep, course E.; asc. 200 ft. over broken E. slope.
79.60	Point selected for the witness cor. of secs. 15, 16, 21 and 22. Set an iron post, 36 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd. $\begin{array}{c} T33S\ R13E \\ W\ C \\ \hline S16 \mid S15 \\ S21 \mid S22 \\ 1955 \end{array}$ Raise a mound of stone, 5 ft. base, around the iron post, to top
80.00	True point for the cor. of secs. 15, 16, 21 and 22, falls on a sloping sandstone wall, unsafe place to set corner. Land, broken. Soil, shallow sand and exposed sandstone. No timber.
	N. 0° $02'$ W., bet. secs. 15 and 16.
	Over broken mesa top; desc. 80 ft. over NW. slope.
6.50	Wash, 50 lks. wide, 2 ft. deep, course N. 70° E.; asc. 40 ft.
10.00	Spur, projects N. 70° E.; desc. 40 ft.
12.80	Wash, 50 lks. wide, 1 ft. deep, course E.; asc. 90 ft.
16.00	Spur, projects E.; desc. 40 ft. over N. slope.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains

- 18.00 Wash, 20 lks. wide, 1 ft. deep, course E.; asc. 40 ft. over broken S. slope.
- 33.50 Spur, projects E.; desc. 50 ft.
- 38.00 Wash, 50 lks. wide, 2 ft. deep, course E.; asc. 40 ft.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
- Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock, with brass cap mkd.
- $\frac{1}{4}$
 S 16 | S 15
 1955
- Raise a mound of stone, $4\frac{1}{2}$ ft. base, around the iron post, to top.
- Desc. 120 ft. over NE. slope.
- 48.00 Wash, 20 lks. wide, 2 ft. deep, course E.; asc. 280 ft. over broken S. slope and ledge.
- 56.00 Spur, projects S. 70° E.; desc. 240 ft. over broken N. slope.
- 68.20 Rim of North Wash Canyon, bears E. and W.; desc. 560 ft. over cliff, about 100 ft. high and steep N. talus slope.
- 80.00 Point for the cor. of secs. 9, 10, 15 and 16.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.
- T33S R13E
S9 | S10
S16 | S15
 1955
- Raise a mound of stone, 4 ft. base, around the iron post, to top.
- Land, broken.
 Soil, shallow sand and exposed sandstone.
 No timber.
-
- N. $0^{\circ} 02'$ W., bet. secs. 9 and 10.
- Over broken and mountainous land; desc. 30 ft. over vertical sandstone wall.
- .60 Wash, 15 lks. wide, 2 ft. deep, course NE.; asc. 20 ft. along E. slope.
- 4.00 Spur, projects E.; desc. 60 ft. over NW. slope.
- 18.40 North Wash, 80 lks. wide, 1 ft. deep, course E.; asc. 10 ft. over sand bank, bears SE. and W., continue over level bottom land.
- 20.42 The witness point on the line bet. secs. 9 and 10.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins. in the ground to bedrock, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 39 S., R. 13 E.

Chains	
	<p>T33S R13E W P S 9 S 10 1955</p> <p>Raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of the iron post.</p> <p>Over level bottom land.</p>
22.00	State Highway, No. 95, bears N. and SE.; asc. 20 ft. along W. slope.
30.00	Spur, projects W.; desc. 20 ft. along W. slope.
39.20	Same road, bears NE. and S.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	<p>Set an iron post, 30 ins. long; 2½ ins. diam., 13 ins. in the ground to bedrock, with brass cap mkd.</p> <p>↑ S 9 S 10 1955</p>
	<p>Raise a mound of stone, 3 ft. base, around the iron post, to top.</p> <p>Over level bottom land.</p>
40.40	North Wash, 20 lks. wide, 1½ ft. deep, course SW. from NW.; asc. 10 ft. out of wash.
42.00	Same road, bears NW. and SE., road is on curve; desc. along W. slope.
51.50	Marinus Canyon, drains SW.
62.00	N. rim of North Wash Canyon; asc. 250 ft. over broken S. slope.
69.00	Sandstone butte, top of ascent; desc. 60 ft. along broken W. slope.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.</p> <p>T33S R13E S4 S3 S9 S10 1955</p> <p>Land, broken. Soil, shallow sand. No timber.</p>
	N. 0° 06' W., bet. secs. 3 and 4.
	Over broken mesa top; desc. 50 ft. along W. slope.
10.00	Wash, 30 lks. wide, 2 ft. deep, course W.; asc. 120 ft. over broken SW. slope and ledges.

300

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains

- 14.00 Ledge, about 30 ft. high, bears NW. and SE.; asc. 80 ft. along SW. slope.
- 21.40 Spur, projects SW.; desc. 80 ft.
- 25.30 Ledge, about 30 ft. high, bears NE. and SW.; desc. 90 ft. over ledge and broken NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.
- Set an iron post, 36 ins. long, 1 in. diam., over an X on sandstone surface, and in a mound of stone, $4\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.
- $\frac{1}{4}$
S 4 | S 3
1955
- Asc. 160 ft. over broken S. slope and ledge, about 30 ft. high, bears E. and W.
- 43.00 Top of ledge, continue over level land.
- 55.00 Ledge, about 40 ft. high, bears N. 10° E. and S. 10° W.; desc. 90 ft. over ledge and NW. slope.
- 71.50 Wash, 50 lks. wide, 3 ft. deep, course W.; asc. 120 ft. over S. slope and ledge.
- 77.50 Top of ledge, about 40 ft. high, bears N. 70° E. and S. 70° W.; asc. 10 ft. over S. slope.
- 79.93 The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township.
- Land, broken.
Soil, shallow sand.
No timber.
-
- From the cor. of secs. 15, 16, 21 and 22.
- West, bet. secs. 16 and 21.
- Over broken exposed sandstone, draining northeasterly; asc. 150 ft.
- 20.00 Top of steep ascent, continue ascent along S. slope.
- 32.92 Spur, projects SW.; desc. 100 ft. over broken W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
- $\frac{1}{4}$ $\frac{S\ 16}{S\ 21}$
1955
- Desc. 40 ft. along broken S. slope.
- 49.20 Ridge, bears NE. and SW.; desc. 210 ft. over steep broken W. slope.

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains

61.50 Wash, 1 ch. wide, 4 ft. deep, course SW.; asc. 50 ft. over SE. slope.

66.00 Spur, projects SW.; desc. 40 ft.

69.00 Wash, 50 lks. wide, 3 ft. deep, course S.; asc. 90 ft. over E. slope.

74.00 Spur, projects S.; desc. 20 ft.

77.50 Wash, 30 lks. wide, 3 ft. deep, course S.; asc. 40 ft. over SE. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21, falls on a very steep sandstone slope, unsafe place to set corner.

Land, broken.
Soil, very shallow sand and exposed sandstone.
No timber.

N. 0° 03' W., bet. secs. 16 and 17.

Over broken exposed sandstone, draining southeasterly.

0.13 Point selected for the witness cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., over an X on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T33S R13E
S17 | S16
S20 | S21
W C
1955

Asc. 440 ft. over steep broken exposed SE. sandstone slope.

29.50 S. rim of bench, bears NE. and SW.; asc. 60 ft. over SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground to bedrock, with brass cap mkd.

¼
S 17 | S 16
1955

Raise a mound of stone, 3 ft. high, 2½ ft. base, W. of the iron post.

Desc. 110 ft. over gradual NW. slope, through thinly scattered timber.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to bedrock, with brass cap mkd.

T33S R13E
S8 | S9
S17 | S16
1955

Survey of a Portion of the Subdivision of T. 33 S., R. 13 E.

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post, to top.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of the iron post.

Land, broken.

Soil, shallow sand.

Timber, thinly scattered pinon and juniper.

From the cor. of secs. 9, 10, 15 and 16.

N. $89^{\circ} 44'$ W., bet. secs. 9 and 16.

Over broken land, draining northeasterly; asc. 360 ft. over steep NE. talus slope.

5.40 Top of cliff, about 150 ft. high, bears N. 20° W. and S. 20° E.; asc. 520 ft. over exposed NE. sandstone slope.

15.50 Spur, slopes SE.; desc. over SW. slope.

24.90 Wash, 60 lks. wide, 2 ft. deep, course SE.; asc. 390 ft. over steep E. slope.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

$$\begin{array}{r} \frac{S\ 9}{S\ 16} \\ 1955 \end{array}$$

Raise a mound of stone, 4 ft. base, around the iron post, to top.

Asc. 20 ft. over NE. slope.

40.40 Spur, projects N.; desc. 160 ft. over gradual W. slope.

79.98 The cor. of secs. 8, 9, 16 and 17.

Land, broken.

Soil, shallow sand.

Timber, thinly scattered pinon and juniper.

General Description

T. 33 S., R. 13 E. is rough and mountainous country, cut by deep canyons, draining in a general southwest direction. North Wash passes through the township, entering at the north boundary of section 4 and leaving on the south boundary of section 36.

Marinus Canyon drains the north-central portion of the township in a southwest direction into North Wash. Hog Canyon drains the northwest portion of the township into North Wash. Trachyte Canyon drains the southern portion of the township in a southwesterly direction.

There is a fresh water spring in the mouth of Hog Canyon near the southwest corner of section 4.

State Highway No. 95 passes through the township and follows the bottom of North Wash. There are no other roads on the township. Foot travel is the only means of access to the northeast and southwest portions of the township.

The general elevation of the township is between 3400 and 5500 feet above sea level.

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 17th day of March, 1956

I have surveyed the north and east boundaries, a portion of the south boundary, and
portion of the subdivisional lines of T. 33 S., R. 13 E.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and t
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the forego
field notes.

Salt Lake City, Utah

March 9, 1956

Cannon G. Parkinson

Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, 1956

The foregoing field notes of the survey of the north and east boundaries, a portion of
the south boundary, and a portion of the subdivisional lines of T. 33 S., R. 13 E.
Salt Lake Meridian, Utah

executed by Cannon G. Parkinson

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion

of the

Subdivision

of

Township 33 South, Range 13 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Kenneth D. Witt and Donald A. Cannon, Cartographic Survey Aids

Robert C. Yundt and Vern E. Lane, Cadastral Surveyors (Chiefs of Party)

Under special instructions dated March 17, 19 55., which provided
for the surveys included under Group No. 400, approved April 4, 1955
and assignment instructions dated April 23 and May 28, 19 56.

Survey commenced May 23, 19 56.

Survey completed July 20, 19 56.

INDEX DIAGRAM

Township 33 South, Range 13 East

6	5	4	3	2 2 3	1 1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29 5	28	27	26	25
31	4 32	3 33	34	35	36

16-58770-1

—— Lines surveyed by Kenneth D. Witt
—— Lines surveyed by Donald A. Cannon

252
222

Township 33 South, Range 13 East

Chains

The west boundary and the west three miles of the south boundary were surveyed by Elliot Bird and Robert C. Yundt in 1923. The east and north boundaries, the east three miles of the south boundary, and a portion of the subdivision were surveyed by Cannon G. Parkinson in 1955.

The following field notes are those of the survey of sections 2 and 32.

The survey was executed with W. and L. E. Gurley solar transits Nos. 262669 and 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work, and were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations upon the sun and Polaris throughout the survey.

The corners on the latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The measurements were made on the slope, the vertical angles determined by the use of clinometers, and the slope distances properly reduced to their horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible. The inaccessible lines were run by traverse or triangulation methods; the details of such traverses and triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the SE. corners of these sections are: latitude $37^{\circ} 57' 29''$ N., longitude $110^{\circ} 26' 21''$ W. for section 2, and latitude $37^{\circ} 53' 08''$ N., longitude $110^{\circ} 29' 38''$ W. for section 32, as computed from the SE. corner of the township.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° E.

Portion of the Subdivision of T. 33 S., R. 13 E.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the township, monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record.

S. $0^{\circ} 01'$ E., bet. secs. 1 and 2.

Over rolling and broken top of mesa, through scattered scrub timber; desc. 220 ft. over ledges on SE. slope.

21.90 Wash, 10 lks. wide, 3 ft. deep, course SW.; asc. 60 ft. over NW. slope.

39.98 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Portion of the Subdivision of T. 33 S., R. 13 E.

Chains	
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">¼</p> <p style="text-align: center;">S 2 S 1</p> <p style="text-align: center;">1956</p> <p>Asc. 180 ft. over ledges on NW. slope.</p>
63.40	Spur, slopes SW.; desc. 140 ft. over ledges on SE. slope.
79.98	<p>Point for the cor. of secs. 1, 2, 11 and 12.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T33S R13E</p> <p style="text-align: center;">S2 S1</p> <p style="text-align: center;">S11 S12</p> <p style="text-align: center;">1956</p> <p>Land, rolling and broken top of mesa. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinon.</p>
	<p>From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the township, monumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.</p> <p>S. 0° 01' E., bet. secs. 2 and 3.</p> <p>Over broken breaks of Marinus Canyon, through scattered scrub timber; asc. 180 ft. over ledges on NW. slope.</p>
10.50	E. rim of Marinus Canyon, a ledge about 30 ft. high, bears NE. and SW.; asc. 20 ft. along W. slope.
22.90	Spur, slopes SW.; desc. 130 ft. along E. slope.
39.95	<p>Point for the ¼ sec. cor. of secs. 2 and 3.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">¼</p> <p style="text-align: center;">S 3 S 2</p> <p style="text-align: center;">1956</p> <p>Desc. 90 ft. over SE. slope.</p>
52.20	Wash, 30 lks. wide, 2 ft. deep, course SW.; asc. 200 ft. over NW. slope.
76.00	Spur, slopes sharply W. about 6 chs. to end; desc. 100 ft. over SW. slope.
79.95	Point for the cor. of secs. 2, 3, 10 and 11.

Portion of the Subdivision of T. 33 S., R. 13 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T33S R13E

S3|S2

S10|S11

1956

Land, rolling and broken top of mesa.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

From the cor. of secs. 1, 2, 11 and 12.

S. 89° 55' W., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the east boundary and the cor. of secs. 3, 4, 9 and 10, as specified in the special instructions.

Over rolling and broken top of mesa, through scattered scrub timber; asc. 40 ft. over SE. slope.

7.50 Spur, slopes SW.; desc. 100 ft. over NW. slope.

21.50 Rim, a ledge about 10 ft. high, bears NW. and S. 80° W.; desc. 160 ft. over ledges on NW. talus slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

¼ $\frac{S\ 2}{S\ 11}$

1956

Desc. 30 ft. over NW. slope.

42.80 Wash, 20 lks. wide, 10 ft. deep, course SW.; asc. 160 ft. over ledges on SE. slope.

52.60 Rim, a ledge about 40 ft. high, bears NE. and SW. irregularly; asc. 40 ft. over SE. slope.

63.20 Top of ascent, bears NE. and SW.; desc. 40 ft. along NW. slope.

73.90 Rim, a ledge about 40 ft. high, bears NE. and SW. irregularly; desc. 160 ft. over ledge and W. talus slope.

79.99 The cor. of secs. 2, 3, 10 and 11.

Land, broken and rolling mesa top.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, mkd. by an iron post, 2 ins. diam., conforming to the record.

Portion of the Subdivision of T. 33 S. 1. 13 E.

Chains		acres
	N. 0° 03' W., bet. secs. 32 and 33. Over broken rocky land; asc. 80 ft. over S. slope.	
6.60	Top of ascent; thence across flat top.	
20.00	S. rim of canyon, bears NE. and SW.	
32.00	Bottom of canyon, course SW.	
40.00	N. rim of canyon, and point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Over a cross (X) cut in solid surface rock, set an iron post, 36 ins. long, 1 in. diam., in a mound of stone, with brass cap mkd.	
	S. 32. S. 33 1956	
48.00	Small rim, bears E. and W.	
56.00	Asc. 250 ft. over sandstone knob.	
65.00	Top of sandstone knob; desc. 130 ft. to rim of canyon.	
71.00	S. rim of canyon, bears NE. and SW.; desc. 310 ft.	
77.50	Wash, in bottom of canyon, course SW.	
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground, and in a mound of stone, with brass cap mkd. T33S R13E S29 S28 S32 S33 1956 Land, broken and rough. Soil, sandy and rocky. No timber; undergrowth, blackbrush and sagebrush.	
	From the true point for the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, which is 3.97 chs. W. of its witness corner mkd. by an iron post, 2 ins. diam., conforming to the record.	
	N. 0° 03' W., bet. secs. 31 and 32.	
	Over broken rocky land; desc. 200 ft. over N. slope to wash.	
7.00	Wash, course SW.; asc. 160 ft. over S. slope.	
20.00	Top of ascent; thence across flat top.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32. Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground, and in a mound of stone, with brass cap mkd.	

Portion of the Subdivision of T. 33 S., R. 13 E.

Chains

S 31 | S 32
1956

45.25 Desc. 120 ft. into canyon.

61.50 Wash, in bottom of canyon, course SW.; asc. 300 ft. to cor.

80.00 True point for the cor. of secs. 29, 30, 31 and 32, falls on the face of a sandstone knob where the corner cannot be perpetuated.

At a point 1.10 chs. West

Set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone, with brass cap mkd.

T33S R13E
S30 | S29
S31 | S32 → WC
1956

Land, broken and rough.

Soil, sandy clay loam.

No timber; undergrowth, blackbrush and sagebrush.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over broken land with exposed sandstone surface rock; asc. 150 ft. over sandstone ledge.

4.00 Top of sandstone knob.

24.50 Top of sandstone spur, which projects S.

37.00 Top of sandstone knob; desc. to the cor.

40.05 True point for the ¼ sec. cor. of secs. 29 and 32, falls on steep sandstone slope where the corner cannot be perpetuated.

41.00 Set a brass tablet, 3½ ins. diam., with a 3 in. stem, drilled in a hole in solid sandstone, with top mkd.

¼ S 29
S 32 → WC
1956

53.00 Rim of canyon, bears NE. and SW.

57.00 Bottom of canyon, course SW.

61.00 Spur, projecting S.

63.00 Gulch, course S.

80.10 True point for the cor. of secs. 29, 30, 31 and 32.

Land, broken and rough.

Soil, sandy clay loam.

No timber; undergrowth, scant blackbrush and sagebrush.

Chains

ended

General Description

The land in section 2 is situated on top of a high sandstone mesa, cut by deep gulches draining southwesterly into North Wash. The section is covered with scattered juniper and pinon, but has very little undergrowth. It is not used for any purpose except a limited amount of stock grazing.

The land in section 32 is principally a broken mesa area with southwestern exposure and drainage. The elevation range from 4300 feet to 4700 feet above sea level. The soil is principally a light sandy clay with considerable exposed surface sandstone. There is a scattered growth of blackbrush and sagebrush. There is no timber. No evidence of commercial deposit of mineral was encountered. There is no permanent habitation and no living water.

FIELD ASSISTANTS

10-00000-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth D. Witt, Cartographic Survey Aid, **HEREBY CERTIFY** upon honor that,
pursuance of special instructions bearing date of the 17th day of March, 1957

I have surveyed a portion of the subdivision, completing the boundaries of section
32 in Township 33 South, Range 13 East

of the Salt Lake Meridian, in the State of Utah, which is
represented in the foregoing field notes as having been executed by me and under my direction; and the
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

February 5, 1957

Kenneth D. Witt

Kenneth D. Witt

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 17th day of March,
I have surveyed a portion of the subdivisional lines in Township 33 South, Range 1
East.

of the Salt Lake Meridian, in the State of Utah; which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 18, 1957

Salt Lake City, Utah

Donald A. Cannon
Donald A. Cannon, Cartographic Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19__

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Office

CERTIFICATE OF CADASTRAL ENGINEER

STATE OF UTAH

I, Robert C. Yundt, ~~do hereby~~ **do hereby** CERTIFY upon honor the
 pursuance of special instructions bearing date of the 17th day of March, 1957
 I have ~~surveyed~~ supervised the survey of a portion of the subdivision, completing
 the boundaries of section 32 in Township 33 South, Range 13 East
 of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed ~~under my supervision~~ and the
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Salt Lake City, Utah
February 5, 1957

Robert C. Yundt
 Robert C. Yundt
 Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 1957

The foregoing field notes of the survey of a portion of the subdivision, completing the
 boundaries of section 32 in Township 33 South, Range 13 East of the Salt Lake
 Meridian, Utah

executed by Kenneth D. Witt, under the supervision of Robert C. Yundt,
 having been critically examined and found correct, are hereby approved.

Donald W. Clement
 Acting Cadastral Chief, Division of Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
 _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cartographer-Cadastral, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 17th day of March,
I have supervised the survey of a portion of the subdivisional lines in Township
South, Range 13 East.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed under my supervision; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 18, 1957

Salt Lake City, Utah

Vern E. Lane, Cartographer-Cadastral

Vern E. Lane

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of a portion of the subdivisional lines in Town-
ship 33 South, Range 13 East.

executed by Donald A. Cannon, under the supervision of Vern E. Lane.

having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes.~~

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

_____ of the Survey of the _____

_____ North and East Boundaries _____

_____ and _____

_____ A Portion of the Subdivisional Lines _____

_____ of _____

_____ Township 33 South, Range 14 East _____

Of the _____ Salt Lake _____ Meridian,

In the State of _____ Utah _____

EXECUTED BY

_____ Cannon G. Parkinson, Cartographer (Cadastral) _____

_____ George D. Voorhees, Cartographer (Cadastral) _____

Under special instructions dated _____ March 17 _____, 19 55, which provided

for the surveys included under Group No. _____ 400 _____, approved April 4, 1955

and assignment instructions dated _____ March 30 _____, 19 55

Survey commenced _____ August 10 _____, 19 55

Survey completed _____ November 13 _____, 19 55

INDEX DIAGRAM

Township 33 South, Range 14 East

10 6	10 5	9 4	8 16 3	7 19 2 18	7 17 1 6
7	8	9 21	16 10	11	12 5
18	17	20 16 19	15 15	14	13 4
19	20	21	14 22	23	24 3
30	29 23	28	13 27	26	25 2 12
31	22 32	21 33	12 34	35	11 36 1

16-56770-1

Red lines surveyed by Cannon G. Parkinson.

Blue lines surveyed by George D. Voorhees.

243

Township 33 South, Range 14 East

Chains

The south and west boundaries were surveyed concurrently under this same group. Survey of the west boundary appears in the field notes of Ts. 33 and 34 S., R. 13 E., and the survey of the south boundary appears in the field notes of T. 34 S., R. 14 E.

The following field notes are those of the E. and N. bdys. and a portion of the subdivision of Township 33 S., R. 14 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

The survey was executed with a Buff and Buff solar transit, number 23815, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the field work.

The direction of all lines being reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established courses were run by random and true method, but for the simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with a steel tape, eight chains in length. This tape was graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were on the slope, the vertical of each interval being determined by use of clinometers, and the slope distance properly reduced to horizontal equivalents, which appear in these notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or by triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of township 33 S., R. 14 E. is Latitude $37^{\circ} 51' 30.3''$ North, and Longitude $110^{\circ} 19' 14.5''$ West as determined by traverse from U.S.G.S. triangulation station "Mine" situated in sec. 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average reading was found to be $15^{\circ} 00'$ E.

East Boundary, T. 33 S., R. 14 E.

Beginning at the cor. of Ts. 33 and 34 S., Rs. 14 and 15 E., which is monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, marked, and witnessed as described in the field notes of T. 34 S., R. 14 E.

North, bet. secs. 31 and 36.

Over broken top of bench, draining southwesterly, asc. 290 ft.

Ridge, bears NE. and SW., desc. 300 ft. over steep broken NW. slope.

Chains

- 26.50 Bladed road bears N. 10° E. on curve from NE.
- 33.30 Same road, bears S. 10° E. and N. 10° W.
- 37.00 Same road bears E., curving to NW. from W., curving to S. 10° E.
- 39.75 Same road bears NW. and SE.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
S36 | S31
1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Desc. 110 ft. over broken top of bench.

- 47.70 Wash, 30 lks. wide, 1 ft. deep, course NE., asc. 30 ft. Road in wash.
- 48.50 Same road bears N. 70° E. and S. 70° W.
- 52.20 Ridge, bears E. and W., desc. 370 ft. over N. slope.
- 67.00 N. rim of bench, bears NE. and W. on curve to NW., desc. 200 ft. over rim and N. slope.
- 73.00 Base of steep descent, thence over broken land.
- 74.50 Wash, 25 lks. wide, $1\frac{1}{2}$ ft. deep, course N. along line.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

T33S
R14E | R15E
S25 | S30
S36 | S31
1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Land, broken.
Soil, shallow sand.
No timber.

North, bet. secs. 25 and 30

Over broken land, draining westerly.

- 0.50 Wash, drains NW., asc. 150 ft. over SW. slope.
- 21.50 Top of knoll, desc. 170 ft. over N. slope.

E. bdy., T. 33 S., R. 14 E.

Chains

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
- $\frac{1}{4}$
S25 | S30
1955
- raise a mound of stone, 4 ft. base, around the iron post to top of post.
- Desc. 70 ft. over broken exposed sandstone.
- 73.90 Head of wash, 80 lks. wide, 60 ft. deep, course NW., thence over nearly level land.
- 77.32 Point selected for the witness cor. of secs. 19, 24, 25, and 30.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.
- T33S
R14E R15E
W C
S24 | S19
S25 | S30
1955
- Cor. is located on S. crest of the Colorado River Canyon, which bears E. and W.
- Descending over impassable ledges on the S. wall of the Colorado River Canyon.
- 80.00 True point for the cor. of secs. 19, 24, 25 and 30 is inaccessible.
Land, rolling.
Soil, shallow sand, shale, and considerable exposed sandstone.
No timber.
-
- North, bet. secs. 19 and 24.
- Descending over vertical ledges on the S. wall of the Colorado River Canyon.
- 13.00 The approximate position of the left bank of the Colorado River, about 1000 ft. below the witness cor., bears E. and W.
NOTE: This portion of the river and canyon was inaccessible.
Thence across Colorado River, course W.
- 18.00 The approximate position of the right bank of the Colorado River Canyon, which is also inaccessible, bears E. and W., thence asc. about 1100 ft. over ledges on N. wall of the Colorado River Canyon.
- 28.40 N. crest of the Colorado River Canyon, bears N. 80° W. and S. 80° E., asc. 30 ft. over sandstone surface, draining SW.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground

Chains	
	<p>to bedrock, with brass cap mkd.</p> <p style="text-align: center;"> $\frac{1}{4}$ S24 S19 1955 </p> <p>raise a mound of stone, 3 ft. base, around the iron post to top of post.</p> <p>Asc. 40 ft. over broken, exposed sandstone and thinly scattered timber.</p>
53.00	Ridge, bears SW. and NE., desc. 40 ft. along W. slope.
80.00	<p>Point for the cor. of secs. 13, 18, 19 and 24.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.</p> <p style="text-align: center;"> T33S R14E R15E S13 S18 S24 S19 1955 </p> <p>Land, rolling and broken, and Colorado River Canyon. Soil, shallow sand, shale, and exposed sandstone. Timber, thinly scattered pinon.</p>
	<p>North, bet. secs. 13 and 18.</p> <p>Over broken exposed sandstone, asc. 10 ft.</p>
4.70	Low spur, projects SW., desc. 30 ft. along NW. slope.
12.50	Wash, 20 lks. wide, 3 ft. deep, course SW., asc. 60 ft. over SE. slope.
25.50	Low spur, projects SW., desc. 20 ft. over slight N. slope.
27.10	Wash, 15 lks. wide, 3 ft. deep, course W., asc. 30 ft. over slight S. slope.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, with brass cap mkd.</p> <p style="text-align: center;"> $\frac{1}{4}$ S13 S18 1955 </p> <p>raise a mound of stone, 3 ft. base, around the iron post, to top of post.</p> <p>Continue over broken exposed sandstone.</p>
55.00	Base of steep ascent, bears NE. and SW., asc. 340 ft. over SE. slope and ledge, about 80 ft. high.

E. bdy., T. 33 S., R. 14 E.

Chains

- 62.00 S. crest of bench, bears SW. and NE., asc. 20 ft. over SE. slope.
- 63.10 Ridge of bench, bears SW. and NE., desc. 20 ft.
- 71.20 N. crest of bench, bears SW. and NE., desc. 190 ft. over ledge, about 80 ft. high, and broken NW. slope.
- 80.00 Point for the cor. of secs. 7, 12, 13, and 18.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
- T33S

R14E	R15E
S12	S 7
S13	S18

1955
- raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.
- Land, broken.
- Soil, shallow sand, shale, and exposed sandstone.
- Timber, thinly scattered pinon.
-
- North, bet. secs. 7 and 12.
- Desc. 50 ft. along broken W. slope.
- 10.00 Base of descent, asc. 280 ft. over broken SW. slope and ledge.
- 17.70 S. crest of a point of a bench, a ledge about 80 ft. high, bears N. 70° W. and S. 70° E., thence across nearly level top of bench.
- 20.00 N. crest of a point of the bench, bears E. and W., desc. 310 ft. over ledge, about 60 ft. high, and broken NW. slope.
- 34.50 Base of steep slope, bears W. and NE., thence over rolling land.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.
- $\frac{1}{4}$

S12	S 7
-----	-----

1955
- raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.
- Desc. 30 ft. over rolling exposed sandstone.
- 65.90 Wash, 15 lks. wide, $2\frac{1}{2}$ ft. deep, course W., asc. 70 ft. over rolling land.
- 80.00 Point for the cor. of secs. 1, 6, 7 and 12.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

Chains

T33S
 R14E | R15E
 S 1 | S 6
 S12 | S 7
 1955

Land, rolling and broken.
 Soil, shallow sand, shale, and exposed sandstone.
 Timber, thinly scattered pinon.

North, bet. secs. 1 and 6.

Over broken land, desc. 60 ft. over broken NW. slope.

10.50 Wash, in bottom of Rock Canyon, 5.00 chs. wide, 40 ft. deep, course SW., asc. 60 ft.

17.00 Spur, projects E., desc. 60 ft.

20.00 Same wash, course SE. on curve to S., thence along bottom of wash.

30.00 Leave wash, drains from E., asc. 70 ft. over S. slope.

40.00 Point for $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
 S 1 | S 6
 1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.

Asc. 80 ft. over slight SE. slope.

54.00 Base of steep ascent, bears NE. and SW., asc. 250 ft. over broken SE. slope and ledge.

61.60 S. crest of bench, a ledge, about 100 ft. high, bears E. and W., asc. 40 ft. over nearly level top of bench.

80.00 Point for the cor. of Ts. $32\frac{1}{2}$ and 33 S., Rs. 14 and 15 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

T32 $\frac{1}{2}$ S
 R14E | R15E
 S36 | S31
 S 1 | S 6
 T33S
 1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Land, broken.
 Soil, shallow sand, shale, and exposed sandstone.
 Timber, thinly scattered pinon.

N. bdy., T. 33 S., R. 14 E.

Chains

From the cor. of Ts. 32 $\frac{1}{2}$ and 33 S., Rs. 14 and 15 E.

West, bet. secs. 1 and 36.

Over rolling top of bench, desc. 120 ft. over slight W. slope.

29.50 W. rim of bench, a ledge, about 80 ft. high, bears N. and S., desc. 320 ft. over ledge and steep broken W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \frac{S36}{S1} \\ 1955 \end{array}$$

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Desc. 40 ft. over broken land.

56.30 Wash, 20 lks. wide, 3 ft. deep, course S., asc. 240 ft. over broken SE. slope and ledge.

67.00 E. rim of bench, a ledge, about 100 ft. high, bears S. 10° W. and N. 20° E., asc. 40 ft. over SE. slope.

70.00 Ridge, bears N. and S., desc. 20 ft. along SW. slope.

73.00 Wash, 15 lks. wide, 3 ft. deep, course SE., asc. 20 ft. along NE. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd.

$$\begin{array}{r} T32\frac{1}{2}SRL4E \\ S35|S36 \\ S2|S1 \\ T33S \\ 1955 \end{array}$$

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Land, broken.

Soil, shallow sand and shale.

Timber, thinly scattered pinon.

West, bet. secs. 2 and 35.

Over broken land, asc. 10 ft.

7.40 Low spur, projects SW., desc. 110 ft. over SW. slope.

32.10 Wash, 20 lks. wide, 1 ft. deep, course SW., asc. 10 ft.

33.90 Low spur, projects S., desc. 30 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

Chains

$$\begin{array}{r} \frac{1}{4} \text{ S35} \\ \text{S 2} \\ 1955 \end{array}$$

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Desc. 20 ft. over SW. slope.

61.80 W. rim of bench, a ledge, about 80 ft. high, bears SE. and N., desc. 430 ft. over ledge and broken W. slope.

80.00 Point for the cor. of secs. 2, 3, 34, and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd.

$$\begin{array}{r} \text{T32}\frac{1}{2}\text{SR14E} \\ \text{S34 | S35} \\ \text{S 3 | S 2} \\ \text{T33S} \\ 1955 \end{array}$$

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Land, broken.

Soil, shallow sand and shale.

Timber, thinly scattered pinon.

West, bet. secs. 3 and 34.

Over broken land draining westerly.

0.10 Bladed road, bears N. and S., at 1.00 ch. N. road curves to W., thence over nearly level land.

16.00 Same road, bears NE. and SW.

25.00 Base of ascent, bears NE. and SW., asc. 120 ft. along SE. slope and ledge.

32.00 Ledge, about 80 ft. high, bears NE. and SW., asc. 20 ft.

34.80 Point of a bench, projects SW., desc. 100 ft. over NW. slope.

38.70 Ledge, about 80 ft. high, bears N. 10° E. and S. 10° W., desc. 120 ft. over steep W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \text{ S34} \\ \text{S 3} \\ 1955 \end{array}$$

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Desc. 40 ft. over broken land.

48.70 Bladed road, bears NE. and S., desc. 60 ft. over gentle W. slope.

N. Bdy., T. 33 S., R. 14 E.

Chains

80.00

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd.

T32 $\frac{1}{2}$ SR14E
 S33|S34
 S 4|S 3
 T33S
 1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Land, broken.

Soil, shallow sand.

No timber.

West, bet. secs. 4 and 33.

Desc. 100 ft. gradually over W. slope.

33.80

E. rim of Dirty Devil Canyon, bears S. 10° E. from W., desc. 300 ft. abruptly over canyon wall.

38.00

Dirty Devil River, 2 chs. wide, 4 ft. deep, course S. 10° E. from W.

40.00

True point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 falls on inaccessible W. wall of Dirty Devil Canyon, asc. 300 ft. over canyon wall.

41.00

W. rim of Dirty Devil Canyon, bears S. and W. irregularly along line.

42.20

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 33.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

$\frac{1}{4}$ — S33 — W
 S 4 — C
 1955

Continue along broken S. rim of Canyon.

61.00

Leave S. rim of Dirty Devil Canyon, bears to NW., asc. 20 ft. over NE. slope.

80.00

Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd.

T32 $\frac{1}{2}$ SR14E
 S32|S33
 S 5|S 4
 T33S
 1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Land, broken.

Soil, shallow sand.

Timber, thinly scattered pinon.

Chains	
	West, bet. secs. 5 and 32.
	Asc. 40 ft. over broken land.
4.40	Bladed road, bears SE. and NW., asc. 200 ft. over E. slope.
16.00	Base of steep ascent., bears NE. and SW., asc. 600 ft. over steep SE. talus slope.
37.70	Ridge, bears SW. and NE., desc. 30 ft. along NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, $4\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.
	$\begin{array}{r} \frac{1}{4} \quad S32 \\ \hline S \quad 5 \\ 1955 \end{array}$
	Continue over broken and mountainous land, asc. 770 ft. over steep NE. talus slope and cliff.
74.80	E. rim of mesa, cliff about 200 ft. high, bears SE. and NW., desc. 20 ft. over broken top of mesa.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.
	$\begin{array}{r} T32\frac{1}{2}SR14E \\ S31 \quad S32 \\ \hline S \quad 6 \quad S \quad 5 \\ T33S \\ 1955 \end{array}$
	Land, broken and mountainous.
	Soil, shallow sand, shale and exposed sandstone.
	Timber, thinly scattered pinon.
	West, bet. secs. 31 and 6.
	Over broken top of mesa, desc. 120 ft. along SW. slope.
6.60	Wash, 2 chs. wide, 80 ft. deep, course SW., asc. 40 ft. along SE. slope.
15.00	Ridge, bears SW. and NE., desc. 220 ft. over rolling sandstone formations.
35.42	Intersect the E. bdy. of Sec. 12, T. 33 S., R. 14 E.
	Point for the closing cor. of Ts. $32\frac{1}{2}$ and 33S., R. 14 E.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

N. Bdy., T. 33 S., R. 14 E.

Chains

T33ST32¹/₂S
 R13E | R14E
 S31 C
 S12 | S 6 C
 T33S
 1955

From this cor., the cor. of secs. 12 and 13 on the E. bdy. of T. 33 S., R. 13 E., bears South, 10.17 chs. dist., described in the field notes of the survey of the E. bdy. of T. 33 S., R. 13 E.

Land, broken top of mesa.

Soil, shallow sand and exposed sandstone.

Timber, thinly scattered pinon.

A Portion of the Subdivision of T. 33 S., R. 14 E.

From the cor. of secs. 1, 2, 35, and 36 on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken land, desc. 40 ft. over N. slope.

2.00 Wash, 40 lks. wide, 2 ft. deep, course W., asc. 200 ft. over S. slope.

11.50 Ridge, bears E. and W., desc. 220 ft. over broken N. slope.

17.50 Wash, 50 lks. wide, 4 ft. deep, course N. 70° W., asc. 60 ft. over SW. slope.

26.20 Spur, projects N. 70° W., desc. 60 ft. over NW. slope.

30.20 Wash, 30 lks. wide, 2 ft. deep, course W., asc. 20 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
 S35 | S36
 1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Continue over broken land, asc. 240 ft. over broken SW. slope.

54.20 Spur, projects N. 70° W., desc. 160 ft. over broken N. slope.

61.50 Wash, 20 lks. wide, 3 ft. deep, course N. 60° W., asc. 40 ft. over S. slope.

67.60 Ridge, bears E. and W., desc. 180 ft. over N. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

Chains

T33S R14E
S26 | S25
S35 | S36
 1955

raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post to top of post.

Land, broken.
 Soil, shallow sand.
 No timber.

From the cor. of secs. 25, 30, 31, and 36 on the E. bdy. of the Tp.
 N. $89^{\circ} 58'$ W., bet. secs. 25 and 36.

Over broken land, draining NW., desc. 160 ft. along NW. slope.

31.20 Wash, 30 lks. wide, 2 ft. deep, course NW., asc. 10 ft. to W. bank of wash, thence desc. 20 ft. along NW. slope.

39.97 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$ S25
S36
 1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Continue over broken land, asc. 150 ft. over broken NE. slope.

52.10 Spur, projects N., desc. 150 ft. over NW. slope.

59.50 Wash, 25 lks. wide, 1 ft. deep, course N., asc. 50 ft. over E. slope.

67.20 Saddle, bears N. and S., desc. 50 ft. over NW. slope.

79.94 The cor. of secs. 25, 26, 35, and 36.

Land, broken.
 Soil, shallow sand.
 No timber.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp.
 N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.

Over rolling bench top draining SW., asc. 110 ft. over gradual SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
S33 | S34
 1955

Subdivision, T. 33 S., R. 14 E.

Chains

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Asc. 30 ft. over broken land draining SW.

46.80 Ridge, bears E. and W., desc. 100 ft. over N. slope.

55.20 Wash, 30 lks. wide, 5 ft. deep, course W., asc. 50 ft. over SW. slope.

58.70 Spur, projects N. 70° W., desc. 220 ft. along broken W. slope.

80.00 True point for the cor. of secs. 27, 28, 33 and 34, falls on a vertical sandstone slope, impracticable to set cor.

Land, broken.

Soil, shallow sand.

No timber.

N. 0° 02' W., bet. secs. 27 and 28.

Over broken land, asc. 120 ft. over broken SW. slope.

4.60 Spur, projects NW., desc. 80 ft. over N. slope.

4.63 Point selected for the witness cor. of secs. 27, 28, 33, and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd.

T33S R14E

S28|S27

S33|S34

W C

1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

7.20 N. rim of bench, bears E. and W., desc. 210 ft. over ledge, about 80 ft. high, and broken NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

¼

S28|S27

1955

raise a mound of stone, 3½ ft. base, around the iron post to top of post.

Continue over nearly level land, desc. 10 ft. over NW. slope.

48.00 Wash, 20 lks. wide, 2 ft. deep, course NW., asc. 30 ft. over SW. slope.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Subdivision, T. 33 S., R. 14 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

T33S R14E

S21 | S22

S28 | S27

1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Land, broken and rolling.

Soil, shallow sand.

No timber.

N. $0^{\circ} 02'$ W., bet. secs. 21 and 22.

Over broken and rolling land, asc. 10 ft.

2.70 S. rim of Colorado River Canyon, desc. 340 ft. over steep N. slope.

14.62 Left bank of the Colorado River, course W.; bank is 10 to 15 ft. high, water is at low stage.

Point for the meander cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

M C

S21 | S22

1955

21.50 The approximate position of the right bank of the Colorado River, which is inaccessible, bears E. and W., thence asc. over impassable ledges on N. wall of Colorado River Canyon.

24.00 N. rim of the Colorado River Canyon, 300 ft. above the water, continue over exposed sandstone, asc. 160 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 5 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$

S21 | S22

1955

raise a mound of stone, $4\frac{1}{2}$ ft. base, around the iron post to top of post.

Continue over broken exposed sandstone, asc. 100 ft. over SW. slope.

42.50 Ridge, bears NW. and SE., continue over nearly level land.

60.70 Road, dirt, bears NW. and SE., asc. 50 ft.

70.70 Spur, projects NW., desc. 50 ft. over N. slope.

Subdivision, T. 33 S., R. 14 E.

Chains	
74.30	Same road, bears NE. and SW., over nearly level land.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.
	<div style="text-align: center;"> T33S R14E <u>S16 S15</u> <u>S21 S22</u> 1955 </div>
	raise a mound of stone, 4 ft. base, around the iron post to top of post.
	Land, broken and rolling. Soil, shallow sand, shale and exposed sandstone. No timber.
	N. 0° 02' W., bet. secs. 16 and 15.
	Desc. 20 ft. over broken exposed sandstone.
0.60	Wash, 20 lks. wide, 2 ft. deep, course NW., asc. 10 ft.
5.20	Spur, projects NW., desc. 40 ft. over N. slope.
14.90	Wash, 40 lks. wide, 2 ft. deep, course W., asc. 90 ft. over broken SE. slope.
26.00	Road, bears N. 70° E. and S. 70° W.
32.64	Point selected for the witness ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground to bedrock, with brass cap mkd.
	<div style="text-align: center;"> ¼ W C ↑ S16 S15 1955 </div>
	raise a mound of stone, 3½ ft. base, around the iron post to top of post.
	Continue over broken land, asc. 300 ft. over broken SE. slope and impassable ledge, about 100 ft. high.
39.00	Top of ledge, bears E. and W., S. crest of spur.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16 is inaccessible.
47.00	N. crest of spur, projects W., desc. 240 ft. over ledge, about 100 ft. high, and steep NW. slope.
64.10	Road, dirt, bears NE. and SW., desc. 40 ft. over NW. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

Subdivision, T. 33 S., R. 14 E.

Chains

T33S R14E
S 9 | S10
S16 | S15
1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Land, broken.

Soil, shallow sand and exposed sandstone.

No timber.

N. 0° 02' W., bet. secs. 9 and 10.

Over nearly level exposed sandstone, desc. 10 ft.

24.00

Wash, 10 lks. wide, 1 ft. deep, course W., asc. 10 ft. along gentle SW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
S 9 | S10
1955

Continue over nearly level sandstone surface, desc. 10 ft.

58.80

Rim of deep wash, bears NW. and E., desc. 200 ft. over NE. slope.

66.00

Wash, course NW., asc. over steep SW. slope of Rincon.

73.00

Top of W. edge of Rincon, desc. steep N. slope.

76.00

Branch of same wash, course W., asc. steep S. slope.

80.00

Point for the cor. of secs. 3, 4, 9, 10., which is inaccessible.

Land, broken and rolling.

Soil, shallow sand and exposed sandstone.

No timber.

N. 0° 08' W., bet. secs. 3 and 4., asc. 120 ft. over broken S. slope

7.06

Point selected for the witness cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T33S R14E
S 4 | S 3
S 9 | S10
W C
1955

Continue over broken land, desc. 20 ft.

Subdivision, T. 33 S., R. 14 E.

Chains	
7.20	Left rim of Dirty Devil River Canyon, bears SW. and NE., desc. steep NW. slope.
15.50	Dirty Devil River, 1 ch. wide, course SW., asc. steep SE. slope.
19.00	Right rim of Dirty Devil River Canyon, bears SW. and NE., continue over level land.
31.00	Right rim of Dirty Devil River Canyon, bears N. 70° W. and E., desc. steep N. slope.
33.00	Dirty Devil River, 2 chs. wide, course E., asc. steep S. slope.
37.00	Left rim of Dirty Devil River Canyon, bears E. and W., asc. 40 ft.
39.65	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ W \quad C \\ \uparrow \\ S \ 4 \ \ S \ 3 \\ 1955 \end{array}$
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4, which is inaccessible. Continue over steep broken land, asc. 70 ft. over SW. slope.
73.60	Spur, projects W., desc. 40 ft. over NW. slope.
79.99	The cor. of secs. 3, 4, 33 and 34.
	Land, broken and rolling. Soil, shallow sand, and exposed sandstone. No timber.
40.00	<p>From the cor. of secs. 1, 2, 35, and 36 on the N. bdy. of the Tp. S. 0° 01' E., bet. secs. 1 and 2. Desc. 10 ft. over rolling bench top.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.</p>
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ S \ 2 \ \ S \ 1 \\ 1955 \end{array}$
	raise a mound of stone, 4 ft. base, around the iron post to top of post.
	Continue over broken land, desc. 40 ft.
47.30	S. rim of bench, about 100 ft. high, bears SW. and NE., desc. 280 ft. over ledge and broken SE. slope.

Subdivision, T. 33 S., R. 14 E.

Chains

80.00

Point for the cor. of secs. 1, 2, 11, and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

T33S R14E
 S 2 | S 1
 S11 | S12
 1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.

Land, broken.
 Soil, shallow sand.
 No timber.

West, bet. secs. 2 and 11.

Over broken land, asc. 130 ft. over broken S. slope.

15.00

Spur, projects S., desc. 10 ft.

19.00

Wash, 50 lks. wide, 5 ft. deep, course SE., asc. 160 ft. over broken E. slope and ledge.

22.80

Ledge, about 80 ft. high, bears NW. and SE., asc. 50 ft.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$ S 2
 S11
 1955

raise a mound of stone, $4\frac{1}{2}$ ft. base, around the iron post to top of post.

Over rolling bench top, asc. 40 ft.

45.80

Ridge, bears NW. and SE., desc. 200 ft. over W. slope.

76.10

W. rim of bench, bears NE. and SW., about 80 ft. high, desc. 200 ft. over ledge and broken W. slope.

80.00

Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T33S R14E
 S 3 | S 2
 S10 | S11
 1955

Land, broken and rolling.
 Soil, shallow sand.
 No timber.

Subdivision, T. 33 S., R. 14 E.

Chains	
	N. 0° 08' E., bet. secs. 2 and 3.
	Over broken land, asc. 200 ft. along steep broken SW. slope.
26.20	Spur, top of bench, projects N. 70° W., continue over level land.
28.80	N. rim of bench, desc. 200 ft. over ledge, bears E. and W., about 80 ft. high, and broken W. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	$\begin{array}{c} \frac{1}{2} \\ S\ 3\ S\ 2 \\ 1955 \end{array}$
	raise a mound of stone, 4 ft. base, around the iron post to top of post.
	Continue over broken land, desc. 160 ft. over NW. slope.
60.00	Wash, 50 lks. wide, 4 ft. deep, course W., asc. 80 ft.
80.15	The cor. of secs. 2, 3, 35 and 36.
	Land, broken. Soil, shallow sand. No timber.
<hr/>	
	From the cor. of secs. 16, 16, 21 and 22.
	West, bet. secs. 16 and 21, over broken and exposed sandstone draining in a general NW. direction, desc. 240 ft.
27.00	Wash, 1.00 ch. wide, 10 ft. deep, course SW., asc. 80 ft. over SE. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.
	$\begin{array}{r} \frac{1}{2} \quad S16 \\ \quad S21 \\ \hline 1955 \end{array}$
	raise a mound of stone, 4 ft. base, around the iron post to top of post.
	Continue over exposed sandstone, desc. 90 ft. over SW. slope.
80.00	True point for the cor. of secs. 16, 17, 20 and 21 falls on an inaccessible sandstone slope.
	Land, broken. Soil, shallow sand and exposed sandstone. No timber.

Subdivision, T. 33 S., R. 14 E.

Chains	
	N. 0° 03' W., bet. secs. 16 and 17.
	Desc. 40 ft. over broken and exposed sandstone.
.96	Point selected for the witness cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	<div style="text-align: center;"> T33S R14E S17 S16 S20 S21 ↓ W C 1955 </div>
	Continue over broken sandstone, desc. 10 ft.
20.00	Dirty Devil River, course W. on curve to S.
25.10	N. rim of Dirty Devil River, bears NE. and SW., asc. 10 ft. over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.
	<div style="text-align: center;"> ¼ S17 S16 1955 </div>
	Continue over broken exposed sandstone, desc. 10 ft.
50.21	U.S.G.S. Gaging Station, bears N. 48° 42' 30" E., 6.84 chs. dist.
51.50	S. rim of Dirty Devil River, bears E. and W., desc. 80 ft.
53.50	Dirty Devil River, course E., asc. 80 ft.
57.50	N. rim of Dirty Devil River, bears NW. and SE., continue over level land.
63.50	S. rim of Dirty Devil River, bears NE. and SW., desc. 70 ft.
67.00	Dirty Devil River, course SW., asc. 70 ft.
72.20	N. rim of Dirty Devil River, bears NE. and SW., asc. 120 ft. over SW. sandstone slope.
77.20	Spur, projects NW., desc. 20 ft.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.
	<div style="text-align: center;"> T33S R14E S 8 S 9 S17 S16 1955 </div>

Subdivision, T. 33 S., R. 14 E.

Chains	
	<p>Land, broken. Soil, shallow sand and exposed sandstone. No timber.</p>
	<p>From the cor. of secs. 9, 10, 15 and 16. S. 89° 48' W., bet. secs. 9 and 16. Desc. 40 ft. over broken and exposed sandstone.</p>
11.10	Begin steep desc. of 160 ft. over broken exposed sandstone.
21.50	SE. rim of the Dirty Devil River, bears NE. and W., desc. 30 ft.
23.50	Dirty Devil River, 2 chs. wide, course W., asc. 30 ft.
29.00	NW. rim of the Dirty Devil River, bears from NE. on a curve to W., asc. 10 ft.
40.11	<p>True point for the 1 sec. cor. of secs. 9 and 16 falls on a steep sandstone slope where the cor. cannot be monumented.</p> <p>At a point 12 lks. south, point selected for the witness 1 sec. cor. of secs. 9 and 16.</p> <p>Set an iron post, 30 ins. long, 1 1/2 ins. diam., over a cross (X) on sandstone surface and in a mark of stone, 4 ft. back, to top of post, with brass cap and.</p> <div style="text-align: center;"> <p>W.C.</p> <p>A</p> <p>2-9</p> <p>116</p> <p>1955</p> </div>
	<p>Continue over broken exposed sandstone along the N. rim of the Dirty Devil River, asc. 40 ft.</p>
68.00	Spur, projects E., desc. 130 ft.
74.50	Wash, 1.00 ch. wide, 20 ft. deep, course NE., asc. 40 ft.
80.22	The cor. of secs. 8, 9, 16 and 17.
	<p>Land, broken and rolling. Soil, shallow sand and exposed sandstone. No timber.</p>
	<p>From the cor. of secs. 4, 5, 32 and 33 on the E. bdy. of the Tp. N. 0° 03' W., bet. secs. 32 and 33. Asc. 40 ft. over broken bench top.</p>
2.80	Ridge, bears E. and W., desc. 160 ft. over broken NW. slope.
13.00	Wash, 30 lks. wide, 2 ft. deep, course W., asc. 110 ft. over steep S. slope.
18.20	Spur, projects SW., desc. 280 ft. over broken NW. slope and ledges.
33.00	Wash, 50 lks. wide, 3 ft. deep, course NW., asc. 120 ft. along broken W. slope.

Subdivision, T. 33 S., R. 14 E.

Chains

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls on a large inaccessible sandstone boulder.

41.60 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
S32|S33
↓
W C
1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Continue over broken W. slope, asc. 80 ft.

58.40 Spur, projects NW., desc. 200 ft. over broken NW. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

T33S R14E
S29|S28
S32|S33
1955

Land, broken.
Soil, shallow sand.
No timber.

Beginning at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over broken bench top, asc. 40 ft. over S. slope.

8.00 Ridge, bears SE. and NW., desc. 80 ft.

19.00 Wash, 40 lks. wide, 2 ft. deep, course S. 70° E., asc. 60 ft. over S. slope.

36.00 N. rim of bench, bears NW. and SE., desc. 60 ft. over ledge, about 40 ft. high, and broken N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on an inaccessible sandstone ledge., asc. 80 ft. over ledge and S. slope.

42.45 Point selected for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.

$\frac{1}{4}$
S31|S32
↓
W C
1955

Subdivision, T. 33 S., R. 14 E.

Chains	
	raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.
	Continue over broken land, asc. 80 ft. over S. slope.
45.00	Spur, projects N. 70° E., desc. 80 ft.
51.50	N. rim of spur, desc. 280 ft. over ledge, about 40 ft. high and broken N. slope.
54.00	Wash, course E.
71.00	Same wash, 30 lks. wide, 2 ft. deep, course SW., asc. 30 ft.
74.00	State Highway 95, bears NW. and SE.
80.00	Point for the cor. of secs. 29, 30, 31, and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock with brass cap mkd.
	<div style="text-align: center;"> T33S R14E S30 S29 S31 S32 1955 </div>
	raise a mound of stone, 3 ft. base around the iron post to top of post.
	Land, broken.
	Soil, shallow sand.
	No timber.
<hr/>	
	From the cor. of secs. 28, 29, 32 and 33.
	N. $89^{\circ} 53'$ W., bet. secs. 29 and 32.
	Over rolling land, desc. 190 ft. over rolling W. slope.
39.90	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ $\frac{S29}{S32}$ 1955 </div>
	Continue over broken land, desc. 20 ft.
45.34	Left bank of the Colorado River, bears N. and S. 8° E., bank from 2 to 4 ft. high.
	Point for the meander cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T33S R14E M S29 C S32 1955 </div>
	raise a mound of stone, 2 ft. base, around the iron post, to top of post.

Chains

46.00

54.00

54.40

T33S RLE

S29 | M

S32 | C

1955

Continue over broken ground, asc. 10 ft.

54.80

Road, mine access, bears N. and S., asc. 200 ft. abruptly over vertical sandstone cliff, bears N. and S., and thence desc. 80 ft. over a series of inaccessible sandstone ledges and cliffs.

76.00

North Wash, 7.00 chs. wide, 3 ft. deep, course S.

79.80

The cor. of secs. 29, 30, 31 and 32.

Land, broken.

Soil, shallow sand.

No timber.

Meanders of the Colorado River

From the meander cor. of secs. 5 and 32 on the S. bdy. of the Tp.
and on the left bank of the Colorado River.

Thence upstream with the meanders of the left bank of the river, in sec. 32.

Over bottom land, along an ill-defined sandy and sandstone bank, from 2 to 12 ft. high.

N. 16° 00' W., 20.70 chs.

N. 22° 30' W., 15.00 chs.

N. 12° 15' W., 26.90 chs.

N. 8° 36' W., 20.27 chs. The meander cor. of secs. 29 and 32.

Land, level bottom land.

Soil, shallow sand and sandstone.

Timber, Tamarack willows.

T. 33 S., R. 14 E.
Meanders of the Colo. River

From the meander cor. of secs. 5 and 32, on the S. bdy. of the Tp. and on the right bank of the Colorado River.

Thence upstream with the meanders of the right bank of the river, in sec. 32.

Over bottom land, along an ill-defined sandy and sandstone bank, from 3 to 15 ft. high.

N. 14° 30' W., 11.60 chs.

N. 8° 00' W., 15.40 chs.

N. 17° 15' W., 17.00 chs.

N. 5° 00' W., 4.00 chs., North Wash, enters from the NW.

N. 5° 00' W., 19.80 chs.

N. 0° 10' W., 13.52 chs. The meander cor. of secs. 29 and 32.

Land, level bottom land.

Soil, shallow sand and sandstone.

Timber, Tamarack willows.

General Description

T. 33 S., R. 14 E. is a rough mountainous country cut by deep canyons and drained by one major and one minor river.

The Colorado River drains the southern portion of the Tp., entering in sec. 24 on the E. bdy. and passing through secs. 23, 22, 21 and 20 in a general westerly direction. In sec. 20 the river curves to the S., passes through sec. 29 and leaves the Tp. at the S. bdy. of sec. 32.

The Dirty Devil River passes through the central and western portion of the Tp., entering at the N. bdy. of sec. 4 and meandering S. through the Tp. to join the Colorado River near the bdy. between secs. 20 and 21.

The soil is mostly sand on top of sandstone strata.

Access to the Tp. was provided by a mine access road which meanders along the W. side of the Dirty Devil River to a point about 3 miles N. of the N. bdy. of the Tp. At this point there is a crossing in the bottom of the river. The road then curves to the S. and passes through the central and eastern portions of the Tp. State Highway 95 runs through the SW. portion of the Tp.

Fair grazing is found in the N. portion of the Tp.

The general elevation of the Tp. is from 3500 ft. to 5200 ft. above sea level.

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of March, 1956

I have surveyed a portion of the North Boundary, and a portion of the subdivisional lines of T. 33 S., R. 14 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

February 21, 1956

George D. Voorhees
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, 1956

The foregoing field notes of the survey of a portion of the North Boundary, and a portion of the subdivisional lines of T. 33 S., R. 14 E.

executed by George D. Voorhees

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of March, 1956, I have surveyed the east boundary, a portion of the north boundary, and a portion of the subdivisional lines of T. 33 S., R. 14 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 21, 1956

Cannon G. Parkinson
Cannon G. Parkinson
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, 19

The foregoing field notes of the survey of the east boundary, a portion of the north boundary, and a portion of the subdivisional lines of T. 33 S., R. 14 E., Salt Lake Meridian, Utah

executed by Cannon G. Parkinson

having been critically examined and found correct, are hereby approved.

Earl S. Harrington
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

35

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the Survey of the

East Boundary

and the

North Boundary

and

Portion of the Subdivisional Lines

and the

Meanders of the Colorado River in Section 32

Township 33 South, Range 15 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

George D. Voorhees, Cartographer (Cadastral)

Under special instructions dated March 17, 1955, which provided
for the surveys included under Group No. 400, approved April 4, 1955
and assignment instructions dated March 30, 1955.

Survey commenced August 15, 1955

Survey completed October 28, 1955

INDEX DIAGRAM

Township 33 S., Range 15 E.

6	5	9 15 4	8 3	7 16 2 17	6 15 1 5
7	8	14 9 19	10	11	12 5
18	17	13 16 18	18 15	14	13 4
19	20	12 21	22	23	24 3
30	29 20	11 28	27	26	25 2 10
31	20 32	11 33	34	35	9 36 1

16-56770-1

Meanders of the Colorado River are on Pages 21 and 22.

The East Boundary, the North Boundary, and a Portion
of the Subdivision of T. 33 S., R. 15 E.

Chains

The south boundary and the west boundary were surveyed concurrently with the survey of this Tp., and are described in the field notes of the survey of T. 34 S., R. 15 E., and T. 33 S., R. 14 E., respectively.

The following field notes are those of the survey of the East boundary, the North boundary, and a portion of the subdivisional lines and the meanders of the Colorado River in T. 33 S., R. 15 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with a W. & L. E. Gurley solar transit number 481346, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

The direction of all lines being reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established courses were run by random and true method but for the simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with a steel tape, eight chains in length. This tape graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were on the slope, the vertical angle of each interval determined by use of clinometers, and the slope distances properly reduced to horizontal equivalents, by direct methods where the lines are accessible; the inaccessible lines were run by traverse or by triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude $37^{\circ} 51' 30.75''$ North, longitude $110^{\circ} 12' 39.9''$ West, as determined by traverse from U. S. G. S. Triangulation Station "Mine" situated in Section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the Tp. and the average of the several readings was found to be $15^{\circ} 00'$ East.

East Boundary, T. 33 S., R. 15 E.

Beginning at the cor. of Ts. 33 and 34 S., Rs. 15 and 16 E., monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 15 E.

North, bet. secs. 31 and 36.

E. Bdy., T. 33 S., R. 15 E.

Chains

Over broken land, through scattered timber, asc. 70 ft. over ledges on steep S. slope of Sheep Canyon.

6.00 Enter nearly level land, asc. 80 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

$\frac{1}{4}$
S36 | S31
1955

Continue over nearly level land, asc. 70 ft.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked

T33S
R15E | R16E
S25 | S30
S36 | S31
1955

raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, west of the iron post.

Land, nearly level to gently rolling.

Soil, sand.

Timber, scattered pinon and juniper.

North, bet. secs. 25 and 30.

Enter gently rolling land, no timber, bears NW. and SE., desc. 20 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap marked

$\frac{1}{4}$
S25 | S30
1955

raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, west of the iron post.

Continue over gently rolling land, desc. 40 ft.

57.00 Enter rolling and broken land through scattered timber, bears NW. and SE., desc. 170 ft. over ledges along NE. slope.

80.00 Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, with brass cap marked

E. Bdy., T. 33 S., R. 15 E.

Chains

T33S
 R15E | R16E
 S24 | S19
 S25 | S30
 1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, west of the iron post.

Land, rolling and broken.

Soil, sand and sandstone outcroppings.

Timber, S. $\frac{1}{2}$ mile none, N. $\frac{1}{2}$ mile scattered pinon and juniper.

North, bet. secs. 19 and 24.

Over broken land, through scattered timber, desc. 30 ft. over ledges on N. slope.

6.04 Point selected for the witness point bet. secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

W P
 S24 | S19
 1955

Monument is located on S. rim of Colorado River Canyon, bears N. 85° E., and S. 85° W., thence by triangulation.

Desc. about 1,280 ft. over impassable ledges on S. wall of Colorado River Canyon.

29.00 The approximate position of the left bank of the Colorado River, bears N. 80° E. and S. 80° W.

NOTE: This portion of the river and canyon was inaccessible.

Thence across Colorado River, course S. 80° W.

31.80 The approximate position of the right bank of the Colorado River, bears N. 80° E. and S. 80° W., thence ascend about 800 ft. over ledges on N. wall of Colorado River Canyon.

40.00 Point for $\frac{1}{4}$ sec. cor. of secs. 19 and 24 is inaccessible and is not monumented.

Asc. about 720 ft. over ledges on N. wall of Colorado River Canyon.

53.41 Point selected for the witness point bet. secs. 19 and 24. End of triangulation.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

W P
 S24 | S19
 1955

Monument is located on N. rim of Colorado River Canyon, bears S. 80°

Chains

W. about 50 lks. dist. East, thence North. Colorado River bears east approximately 24 chs. dist., draining southerly.

Asc. 190 ft. over ledges on E. slope.

80.00

Point for the cor. of secs. 13, 18, 19, and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

T33S
R15E R16E
S13 S18
S24 S19
1955

Land, rough and broken ledges on wall of Colorado River Canyon. Soil, shallow sand and considerable exposed sandstone. Timber, scattered pinon and juniper.

North, bet. secs. 13 and 18.

Over broken land through scattered timber, asc. 10 ft.

4.90

Top of ascent, bears E. and W., thence by triangulation, desc. 40 ft. over ledges along west breaks of Colorado River Canyon. Colorado River bears east approximately 27 chs. dist., draining southerly.

6.00

W. rim of Colorado River Canyon, bears E. and W., desc. about 960 ft. over ledges on W. wall of Colorado River Canyon.

23.50

Wash, course N. 70° E., desc. about 40 ft. over ledges on canyon wall.

27.50

Wash, course S. 80° E., asc. about 1,120 ft. over ledges on canyon wall.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18 is inaccessible as it falls on face of cliff about 500 ft. high.

42.26

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

$\frac{1}{4}$
S13 S18
W C
1955

Cor. is located on W. rim of Colorado River Canyon, bears NE. and SW.

Continue over broken land, asc. 180 ft. over ledges along SE. slope.

53.90

End of triangulation.

63.00

Sandstone ridge, bears E. and W., desc. 200 ft. over ledges on steep N. slope.

81.00

Point for the cor. of secs. 7, 12, 13, and 18.

E. Bdy., T. 33 S., R. 15 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

T33 S
R15E | R16E
S12 | S 7
S13 | S18
1955

Land, broken.

Soil, shallow sand and considerable exposed sandstone.

Timber, scattered pinon and juniper.

North, bet. secs. 7 and 12.

Over broken land through scattered timber, desc. 10 ft.

.90 Wash, 60 lks. wide, 5 ft. deep, course S. 80° E., asc. 310 ft. over ledges on S. slope.

31.80 Enter nearly level land, no timber, asc. 10 ft.

38.50 Top of ascent, bears E. and W., desc. 30 ft. over rolling land.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

$\frac{1}{2}$
S12 | S 7
1955

Continue over rolling land, desc. 120 ft. Enter scattered timber.

75.10 Enter broken land through scattered timber, bears E. and W., desc. 180 ft. over ledges on steep N. slope.

80.00 Point for the cor. of secs. 1, 6, 7, and 12 is inaccessible as it falls on face of cliff about 150 ft. high.

Land, rolling and broken.

Soil, sand and sandstone outcropping.

Timber, scattered pinon and juniper.

North, bet. secs. 1 and 6.

Over broken land through scattered timber.

1.10 Wash, course East, asc. 140 ft. over ledges along steep SE. slope.

3.26 Point selected for the Witness Cor. of secs. 1, 6, 7, and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 3 ft. base, 2 ft. high, with brass cap marked

357

E. Bdy., T. 33 S., R. 15 E.

Chains

T33S	
R15E	R16E
S 1	S 6
S12	S 7

W C
1955

Continue over broken land, asc. 70 ft. over ledges along SE. slope.

12.10 Enter nearly level land through scattered timber, asc. 10 ft.

34.00 Leave nearly level land. Enter broken land, desc. 110 ft. over ledges along NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

S 1	S 6
-----	-----

1955

Continue over broken land, desc. 20 ft. over ledges along NE. slope.

42.80 Thence by triangulation.

46.00 S. rim of Cove Canyon, bears E. and W., desc. about 1,240 ft. over ledges on S. wall of Cove Canyon.

64.50 Wash in bottom of Cove Canyon, course NE., asc. about 1,200 ft. over ledges on N. wall of Cove Canyon.

79.50 N. rim of Cove Canyon, bears E. and W. End of triangulation.

80.00 Point for the cor. of Ts. 32, $32\frac{1}{2}$, and 33S., Rs. 15 and 16 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked

T32 $\frac{1}{2}$ S	T32S
R15E	R16E
S36	S31
S 1	S 6

T33S
1955

Land, broken and rolling.
Soil, sand and sandstone outcropping.
Timber, scattered pinon and juniper.

North Boundary

S. $89^{\circ} 57'$ W., bet. secs. 1 and 36.

Over broken land through scattered timber, asc. 10 ft. over ledges on S. slope.

10.00 N. rim of Cove Canyon, bears NW. and SE., desc. about 990 ft. over ledges on N. wall of Cove Canyon.

N. Bdy., T. 33 S., R. 15 E.

Chains

- 38.50 Wash in bottom of Cove Canyon, course SE., asc. about 980 ft. over ledges on S. wall of Cove Canyon.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36 is inaccessible as it falls on face of cliff about 500 ft. high.
- 51.40 S. rim of Cove Canyon, bears NW. and S. 35° E.
- 51.50 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked
- $$\begin{array}{r} \frac{1}{4} \text{ S36} \\ \text{S 1} \\ 1955 \text{ WC} \end{array}$$
- Continue over broken land, asc. 20 ft. over ledges on NE. slope.
- 57.60 Sandstone spur, projects North, desc. 20 ft. over ledges on NW. slope.
- 58.80 Wash, 30 lks. wide, 5 ft. deep, course NE., asc. 10 ft. over ledges along NE. slope.
- 60.60 Sandstone spur, projects N., desc. 30 ft. along NW. slope.
- 66.20 Wash, 80 lks. wide, 6 ft. deep, course N. 70° E., asc. 30 ft.
- 68.80 Wash, 20 lks. wide, 4 ft. deep, course NE., asc. 10 ft. along NE. slope.
- 78.60 Wash, 60 lks. wide, 10 ft. deep, course N., asc. 10 ft.
- 80.00 Point for the cor. of secs. 1, 2, 35, and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked
- $$\begin{array}{r} T32 \text{ SRI SE} \\ \text{S35 S36} \\ \hline \text{S 215 1} \\ T33E \\ 1955 \end{array}$$
- Land, rolling and broken
Soil, sand and sandstone outcropping.
Timber, scattered pinon and juniper.
-
- S. $89^{\circ} 57'$ W., bet. secs. 2 and 35.
- Over broken and rolling land through scattered timber, desc. 140 ft. along NW. slope.
- 34.70 Wash, 100 lks. wide, 6 ft. deep, course NW., asc. 110 ft. over broken land along NE. slope.
- 40.00 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked
- $$\begin{array}{r} \frac{1}{4} \text{ S35} \\ \text{S 2} \\ 1955 \end{array}$$

Chains	
40.10	Spur, projects NW., desc. 80 ft. over W. slope.
45.70	Wash, 60 lks. wide, 3 ft. deep, course N. 10° W., asc. 150 ft. over ledges along NE. slope.
61.70	Enter nearly level land, no timber, asc. 10 ft.
64.50	Bladed road, bears SE. and NW., asc. 20 ft.
80.00	Point for the cor. of secs. 2, 3, 34, and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap marked <div>T32½SR15E S34 S35 S 3 S 2 T33S 1955</div> Land, E. ½ mile rolling and broken, W. ½ mile nearly level Soil, sand and sandstone outcropping. Timber, E. ½ mile scattered pinon and juniper, W. ½ mile none
	S. 89° 57' W., bet. secs. 3 and 34. Over nearly level land, no timber, asc. 90 ft. over E. slope:
40.00	Point for the ¼ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked <div>¼ S34 S 3 1955</div> Thence by triangulation, asc. 140 ft. over talus and cliff on steep NE. slope.
56.20	E. rim of bench, bears NW. and SE. End triangulation. Asc. 140 ft. over rolling and broken top of bench.
76.60	Ridge on top of bench, bears NW. and SE., desc. 70 ft. along SW. slope.
80.00	Point for the cor. of secs. 3, 4, 33, and 34. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked <div>T32½SR15E S33 S34 S 4 S 3 T33S 1955</div> Land, E. ½ mile nearly level, W. ½ mile rolling and broken. Soil, sand and sandstone outcropping. Timber, E. ½ mile none, W. ½ mile scattered pinon and juniper.

N. Bdy., T. 33 S., R. 15 E.

Chains

S. 89° 57' W., bet. secs. 4 and 33.

Over rolling top of bench through thinly scattered timber, desc. 50 ft. over S. slope.

3.70 Wash, course SW., asc. 10 ft.

5.60 Top of ascent, bears N. 20° E. and S. 20° W., desc. 30 ft.

7.60 Wash, 40 lks. wide, 3 ft. deep, course S. 30° W., asc. 30 ft. along SE. slope.

12.00 Ridge, bears NE. and SW., desc. 60 ft. along NW. slope.

17.10 Wash, 20 lks. wide, 4 ft. deep, course SW., asc. 50 ft.

21.60 Same ridge, bears NE. and SW., desc. 80 ft. along NW. slope.

40.00 Point for the 1/2 sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base, to top of post, with brass cap marked

$$\begin{array}{r} 333 \\ 54 \\ \hline 1955 \end{array}$$

Continue over rolling top of bench, desc. 110 ft. over W. slope.

80.00 Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base, to top of post, with brass cap marked

$$\begin{array}{r} T32 \text{ SR152} \\ S32 \text{ S33} \\ \hline S5 \text{ S4} \\ T33S \\ 1955 \end{array}$$

From this cor. the cor. of Ts. 32 and 33 S., Rs. 14 and 15 E., bears S. 89° 57' W.

NOTE: The survey of this bdy. was discontinued at this cor.

Land, rolling top of bench.

Soil, sand.

Timber, thinly scattered pinon and juniper.

Portion of Subdivision, T. 33 S., R. 15 E.

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., monumented by an iron post, 1 in. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 15 E.

N. 0° 01' W., bet. secs. 35 and 36.

By triangulation, desc. about 100 ft. over ledges on S. wall of Sheep Canyon.

Subdivision, T. 33 S., R. 15 E.

Chains	
2.50	Wash in bottom of Sheep Canyon, course N. 70° W., asc. about 230 ft. over ledges on N. wall of Sheep Canyon.
8.50	Sandstone Spur, projects W., desc. about 100 ft. over ledges on steep N. slope.
13.00	Wash, course W., asc. about 250 ft. over ledges on steep S. slope.
31.80	N. rim of Sheep Canyon, bears E. and N. 70° W., asc. 20 ft. over rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S35 S36 1955</div> Continue over gently rolling land, asc. 70 ft. along SW. slope.
80.00	Point for the cor. of secs. 25, 26, 35, and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked <div style="text-align: center;">T33SR15E S26 S25 S35 S36 1955</div> Land, S. $\frac{1}{4}$ mile rough and broken ledges in Sheep Canyon, N. $\frac{1}{2}$ mile gently rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	<hr/>
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp. N. 89° 59' W., bet. secs. 25 and 36. Over rolling land through scattered timber, desc. 100 ft. over W. slope.
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap marked <div style="text-align: center;">$\frac{1}{4}$ S25 S36 1955</div> raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, N. of the iron post. Continue over gently rolling land, desc. 20 ft. along SW. slope.
80.04	The cor. of secs. 25, 26, 35, and 36.

Subdivision, T. 33 S., R. 15 E.

Land, gently rolling.
Soil, sand
Timber, scattered pinon and juniper.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., monumented by an iron post, 2 1/2 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 15 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling and broken land through scattered timber, desc. 140 ft. over N. slope.

23.00 S. rim of Colorado River Canyon, bears N. 70° W. and S. 70° E., thence by triangulation, desc. about 1,280 ft. over ledges on S. wall of the Colorado River Canyon.

39.50 The left bank of the Colorado River, bears E. and S. 86° 33' W. Point for the meander cor. of secs. 32 and 33 not monumented.

NOTE: This portion of the river and canyon was inaccessible.

Thence across Colorado River, course NW. on curve from East.

40.00 Point for the 1/2 sec. cor. of secs. 32 and 33, is inaccessible and is not monumented.

44.00 The right bank of the Colorado River, bears NW. and SE. Point for the meander cor. of sec. 32 and 33, not monumented. Thence asc. about 1,120 ft. over ledges on N. wall of the Colorado River Canyon.

67.20 N. rim of the Colorado River Canyon, bears E. and NW., asc. 80 ft. over ledges along SE. slope.

71.50 Sandstone spur, bears NE. and NW., end of triangulation, desc. 40 ft. along NW. slope.

77.50 Wash, course NW., asc. 10 ft. over SE. slope.

80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base, to top of post, with brass cap marked

T33SR15E

529/528

532/533

1955

Land, rough and broken ledges in Colorado River Canyon.
Soil, shallow sand and considerable exposed sandstone.
Timber, scattered pinon and juniper.

N. 0° 03' W., bet. secs. 28 and 29.

Over broken land through scattered timber, asc. 250 ft. over ledges on Mills Crag Bend. Colorado River bears E. approximately 30 chs. dist. draining southerly.

Chains	
34.50	W. rim of Colorado River Canyon, bears NW. and SE., desc. 180 ft. over ledges on W. wall of Colorado River Canyon.
37.80	Wash, course E., asc. 180 ft. over ledges on W. wall of Colorado River Canyon.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S29 S28 1955 </div>
	Continue over broken land, asc. 10 ft. along west breaks of Colorado River Canyon. Colorado River bears E. approximately 22 chs. dist., draining southerly.
43.00	W. rim of Colorado River Canyon, bears NW. and SE., desc. 180 ft. over ledges on W. wall of Colorado River Canyon.
46.00	Wash, course E., asc. 180 ft. over ledges on W. wall of Colorado River Canyon.
48.60	W. rim of Colorado River Canyon, bears E. and W., desc. 50 ft. over W. slope.
65.10	Wash, 100 lks. wide, 10 ft. deep, course W., asc. 40 ft. over W. slope.
70.00	Top of ascent, sandstone spur, projects W., desc. 70 ft.
75.70	Wash, course W., asc. 70 ft. over ledges along SW. slope.
80.00	Point for the cor. of secs. 20, 21, 28, and 29. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 5 ft. base, to top of post, with brass cap marked <div style="text-align: center;"> T33SR15E S20 S21 S29 S28 1955 </div>
	Land, broken ledges on Mille Crag Bend. Soil, shallow sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	N. 0° 03' W., bet. secs. 20 and 21.
	Over broken and rolling land through scattered timber, asc. 40 ft. along SW. slope.
17.80	Top of ascent, bears E. and W., desc. 110 ft. along NW. slope.
21.80	Wash, course W., asc. 60 ft. over cliff.
23.90	Sandstone spur, bears E. and W., desc. 70 ft. over ledges on steep N. slope.

Subdivision, T. 33 S., R. 15 E.

Chains	
26.00	Wash, course W., asc. 140 ft. over ledges along SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S20 S21 1955 </div>
	Continue over rolling and broken land, desc. 20 ft. along NW. slope.
49.10	Wash, 100 lks. wide, 6 ft. deep, course N. 70° W., asc. 30 ft. along SW. slope.
58.80	Top of ascent, bears NW. and SE., desc. 50 ft. over N. slope.
60.70	Wash, course S. 80° W., asc. 90 ft. along SW. slope.
73.60	Base of ascent, bears NW. and SE., asc. 110 ft. over talus along steep SW. slope.
80.00	Point for the cor. of secs. 16, 17, 20, and 21 is unsafe as it falls on face of cliff, about 20 ft. high. Point selected for the witness cor. of secs. 16, 17, 20, and 21 bears N. 89° 55' E., 6 lks. dist. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on solid sandstone, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top of post, with brass cap marked <div style="text-align: center;"> T33SR15E W. S17 S16 C S20 S21 1955 </div>
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 03' W., bet. secs. 16 and 17. Over broken land through scattered timber, asc. about 180 ft. over talus and cliffs on steep W. slope.
18.00	W. rim of island bench, bears N. 70° W. and SE., thence over level top of bench.
23.50	N. rim of island bench, bears NE. and S. 70° W., desc. about 230 ft. over cliff and talus along steep NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top of post, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S17 S16 1955 </div>

Subdivision, T. 33 S., R. 15 E.

Chains

Enter gently rolling land, desc. 20 ft. over W. slope.

77.10 Wash, 100 lks. wide, 4 ft. deep, course W., asc. 10 ft.

80.00 Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

T33SR15E

S 8 | S 9

S17 | S16

1955

from which,

U. S. G. S. Triangulation Station "Nose" bears S. $1^{\circ} 58' 00''$ E.
59.10 chs. dist.

Land, gently rolling.

Soil, sand.

Timber, scattered pinon and juniper.

N. $0^{\circ} 03'$ W., bet. secs. 8 and 9.

Over gently rolling land through scattered timber, desc. 10 ft. over W. slope.

12.80 Jeep trail, bears N. 70° W., and S. 70° E., desc. 20 ft.

15.10 Wash, 40 lks. wide, 5 ft. deep, course W., asc. 10 ft.

24.50 Wash, course S. 80° W., asc. 10 ft.36.50 Wash, course N. 80° W., thence over level land.40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap marked

 $\frac{1}{4}$

S 8 | S 9

1955

Continue over gently rolling land, desc. 10 ft.

44.70 Wash, 70 lks. wide, 10 ft. deep, course W., desc. 10 ft.

52.90 Wash, 150 lks. wide, 8 ft. deep, course W., asc. 20 ft.

57.10 Low sandy ridge, bears E. and W., desc. 10 ft.

61.20 Wash, 200 lks. wide, 4 ft. deep, course SW., asc. 80 ft. over South slope.

80.00 Point for the cor. of secs. 4, 5, 8, and 9.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

Subdivision, T. 33 S., R. 15 E.

Chains

T33SR15E

S 5 | S 4

S 8 | S 9

1955

Land, gently rolling, putting west.

Soil, sand.

Timber, scattered pinon and juniper.

N. 0° 09' E., bet. secs. 4 and 5.

Over broken land through scattered timber, by triangulation, asc. about 200 ft. over talus and cliff on steep SE. slope.

8.50 S. rim of bench, bears NE. and SW., end triangulation. Asc. 140 ft. over rolling top of bench, through thinly scattered timber.

34.00 Spur, projects W., desc. 30 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top of post, with brass cap marked
$$\begin{array}{c} 2 \\ S\ 5\ |\ S\ 4 \\ 1955 \end{array}$$

Continue over rolling top of bench, desc. 30 ft. over W. slope.

50.00 Wash, 20 lks. wide, 2 ft. deep, course W., asc. 20 ft.

52.90 Top of ascent, bears E. and W., desc. 30 ft.

57.20 Wash, 30 lks. wide, 6 ft. deep, course W., asc. 30 ft.

66.40 Top of ascent, bears NW. and SE., desc. 40 ft.

69.30 Wash, 200 lks. wide, 12 ft. deep, course N. 70° W., asc. 10 ft.

80.37 The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp.

Land, rolling top of bench.

Soil, sand and sandstone outcropping.

Timber, thinly scattered pinon and juniper.

From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling and broken land through scattered timber, asc. 90 ft. over N. slope.

17.30 Sandstone ridge, bears E. and W., desc. 30 ft. over S. slope.

20.20 Wash, 10 lks. wide, 1 ft. deep, course W., asc. 30 ft. over N. slope.

Subdivision, T. 33 S., R. 15 E.

Chains	
28.50	Low spur, bears E. and W., desc. 50 ft. over W. slope.
33.90	Wash, 6 lks. wide, 1 ft. deep, course W., asc. 20 ft.
39.50	Wash, course N. 70° W.
40.09	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked $\begin{array}{c} \frac{1}{4} \\ \uparrow \\ S\ 2\ S\ 1 \\ \hline 1955 \end{array}$
	Continue over rolling land, asc. 20 ft.
48.50	Top of ascent, bears NW. and SE., desc. 30 ft.
52.50	Wash, 12 lks. wide, 3 ft. deep, course N. 70° W., asc. 20 ft.
70.70	Jeep trail, bears N. 70° W., and SE., asc. 20 ft.
80.09	Point for the cor. of secs. 1, 2, 11, and 12. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked $\begin{array}{c} T33SR15E \\ S\ 2\ S\ 1 \\ \hline S11\ S12 \\ \hline 1955 \end{array}$
	Land, N. $\frac{1}{2}$ mile rolling and broken, S. $\frac{1}{2}$ mile gently rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp. S. 0° 01' E., bet. secs. 2 and 3. Over gently rolling land, no timber, desc. 10 ft. over E. slope.
18.40	Wash, 40 lks. wide, 3 ft. deep, course E., asc. 10 ft.
34.40	Wash, 100 lks. wide, 4 ft. deep, course NE., Jeep trail in wash, asc. 20 ft.
40.18	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked $\begin{array}{c} \frac{1}{4} \\ \uparrow \\ S\ 3\ S\ 2 \\ \hline 1955 \end{array}$

Subdivision, T. 33 S., R. 15 E.

Chains	
	Continue over gently rolling land, no timber, asc. 60 ft. over N. slope.
60.70	Base of ascent, bears N. 80° E. and S. 80° W., asc. about 130 ft. over talus and cliff, about 50 ft. high.
67.50	N. rim of island bench, bears N. 80° E. and S. 80° W., thence over level top.
69.00	S. rim of island bench, bears N. 80° E. and S. 80° W., desc. about 200 ft. over cliff, about 50 ft. high, and talus on steep S. slope.
80.18	Point for the cor. of secs. 2, 3, 10, and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked <div>T33SR15E S 3 S 2 S10 S11 1955</div> raise a mound of stone, 3½ ft. base, 2 ft. high, west of the iron post. Land, N. ¼ mile gently rolling, S. ¼ mile rolling and broken. Soil, sand and sandstone outcropping. Timber, none.
	From the cor. of secs. 1, 2, 11, and 12. S. 89° 53' W., bet secs. 2 and 11. Over gently rolling land through thinly scattered timber, asc. 100 ft. along NE. slope.
37.80	Sandstone spur, projects NW., desc. 50 ft. along SW. slope.
40.05	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 7 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked <div>¼ S 2 4 S11 1955</div> Continue over gently rolling land, desc. 20 ft.
41.60	Wash, 15 lks. wide, 2 ft. deep, course N., asc. 40 ft.
50.20	Drainage ditch, 10 lks. wide, 2 ft. deep, course N. 30° E., continue over nearly level land.
80.10	The cor. of secs. 2, 3, 10, and 11. Land, gently rolling. Soil, sand and sandstone outcropping. Timber, thinly scattered pinon and juniper.
	From the true point for the cor. of secs. 16, 17, 20, and 21.

Chains	
	N. 89° 55' E., bet. secs. 16 and 21.
	Over broken land through scattered timber, asc. about 100 ft. over talus and cliff about 50 ft. high.
3.50	Point of island bench, bears N. and S., desc. about 210 ft. over cliff and talus on steep SE. slope.
13.40	Enter gently rolling land, desc. 20 ft.
22.00	Wash, 150 lks. wide, 2 ft. deep, course S. 20° W., asc. 40 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap marked
	$\begin{array}{r} \text{S16} \\ \text{S21} \\ 1955 \end{array}$
	raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, north of the iron post.
	Continue over gently rolling land, asc. 30 ft. over W. slope.
54.20	Low sandy ridge, bears N. and S., desc. 50 ft. over E. slope.
57.00	W. rim of Freddie's Cistern, bears N. and S., desc. about 1,000 ft. over ledges on W. wall of Freddie's Cistern.
60.00	Point for the cor. of secs. 15, 16, 21, and 22 is inaccessible as it falls on face of canyon wall.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the true point for the cor. of secs. 15, 16, 21 and 22.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over broken land through scattered timber, asc. about 100 ft. over ledges on W. wall of Freddie's Cistern.
7.00	W. rim of Freddie's Cistern, bears NE. and SW.
9.88	Point selected for the Witness cor. of secs. 15, 16, 21, and 22.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked
	$\begin{array}{r} \text{T33SR15E} \\ \text{S16} \mid \text{S15} \\ \text{S21} \mid \text{S22} \\ \text{W \& C} \\ 1955 \end{array}$
	Asc. 60 ft. over ledges on S. slope.
27.30	Enter gently rolling land, along SW. slope, asc. 10 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Subdivision, T. 33 S., R. 15 E.

Chains	
	<p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S16 S15 1955 </p> <p>Continue over gently rolling land, desc. 20 ft.</p>
59.50	Wash, 100 lks. wide, 4 ft. deep, course S. 70° W.
62.50	Wash, 100 lks. wide, 3 ft. deep, course SW., asc. 60 ft. over S. slope.
80.00	<p>Point for the cor. of secs. 9, 10, 15, and 16.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 7 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;"> T33SR15E S 9 S10 S16 S15 1955 </p> <p>Land, gently rolling. Soil, sand. Timber, scattered pinon and juniper.</p>
	<p>From the cor. of secs. 8, 9, 16, and 17.</p> <p>N. $89^{\circ} 55'$ E., bet. secs. 9 and 16.</p> <p>Over rolling land through scattered timber, asc. 20 ft. over W. slope.</p>
12.00	Jeep trail, bears NW. and SE., asc. 100 ft. over W. slope.
22.10	Spur, on point of bench, projects S., desc. 30 ft. along SE. slope.
27.30	Wash, course S.
27.50	Jeep trail, bears N. 70° E. and S. 70° W., asc. 30 ft. over S. slope.
33.90	Low sandy spur, slopes SW., desc. 20 ft.
35.20	Wash, 40 lks. wide, 10 ft. deep, course S., asc. 20 ft.
36.10	Jeep trail, bears N. and S. 20° E., on low sandy spur, desc. 20 ft.
38.10	Wash, 80 lks. wide, 8 ft. deep, course SW., asc. 20 ft.
39.98	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.</p> <p>Set an iron post, 30 ins. long, $2\frac{3}{8}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S 9 S16 1955 </p>

Chains	<p>Continue over rolling land, desc. 50 ft. over N. slope.</p> <p>42.10 Wash, 30 lks. wide, 4 ft. deep, course S. 30° W., 120 ft. along SW. slope.</p> <p>69.10 Jeep trail, bears N. 80° E. and S. 80° W., desc. 20 ft.</p> <p>79.96 The cor. of secs. 9, 10, 15, and 16.</p> <p>Land, rolling. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.</p>
40.00	<p>From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., firmly set, marked; and witnessed as described in the field notes of the survey of T. 34 S. R. 15 E.</p> <p>N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over nearly level land, no timber, desc. 70 ft. over N. slope.</p> <p>Point for the ¼ sec. cor. of secs. 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4}$ S31 S32 .1955 </div>
30.00	<p>Continue over nearly level land, desc. 10 ft. over W. slope.</p> <p>Point for the cor. of secs. 29, 30, 31, and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked</p> <div style="text-align: center;"> T33SR15E S30 S29 S31 S32 1955 </div> <p>Land, nearly level. Soil, sand. Timber, none.</p>
14.10	<p>From the cor. of secs. 28, 29, 32, and 33.</p> <p>S. 89° 52' W., bet. secs. 29 and 32.</p> <p>Over broken land, through scattered timber, desc. 60 ft. along SW. slope. Thence by triangulation.</p> <p>N. rim of the Colorado River Canyon, bears N. and SE., desc. about 1,120 ft. over ledges on N. wall of the Colorado River Canyon.</p>
31.00	<p>The right bank of the Colorado River, bears NW. and S. 10° E., point for the meander cor. of secs. 29 and 32, not monumented.</p>

Chains	
36.00	<p>The left bank of the Colorado River, bears N. 30° W. and S. 30° E. Point for the meander cor. of secs. 29 and 32, not monumented. Thence asc. over ledges on S. wall of the Colorado River Canyon.</p> <p>Point for the 1/2 sec. cor. of secs. 29 and 32 is inaccessible and is not monumented.</p> <p>S. rim of the Colorado River Canyon, bears N. 70° W., and S. 70° W., about 1,280 ft. above the Colorado River.</p> <p>Point selected for the witness point between secs. 29 and 32.</p> <p>Over a cross (X) on solid sandstone, set a sandstone, 15 x 14 x 4 inches, marked WP on S. face, and supported in a mound of stone, 3 ft. base.</p> <p>Over rolling land, sec. 40 ft. over E. slope.</p> <p>The cor. of secs. 29, 30, 31, and 32.</p> <p>Land, broken.</p> <p>Soil, shallow sand and considerable exposed sandstone.</p> <p>Timber, scattered pinon and juniper.</p>
40.02	
65.00	
65.10	
80.04	

Meanders of the Colorado River

From the point for the meander cor. of secs. 32 and 33, on the left bank of the Colorado River, which is N. 0° 03' W., 39.40 chs. dist. From the cor. of secs. 4, 5, 32, and 33 on the south bdy. of the Tp.

Thence downstream with the meanders of the left bank of the River, in sec. 32.

S. 86° 39' W., 2.40 chs.

N. 0° 41' W., 3.25 chs.

N. 80° 46' W., 4.75 chs.

N. 66° 11' W., 14.52 chs.

N. 34° 04' W., 5.50 chs.

N. 80° 42' W., 5.00 chs.

N. 45° 31' W., 4.50 chs.

N. 16° 32' E., 3.50 chs.

N. 11° 06' W., 12.26 chs.

N. 43° 18' W., 3.30 chs.

N. 8° 44' W., 4.50 chs.

Point for the meander cor. of secs. 29 and 32, not monumented.

From the point for the meander cor. of secs. 32 and 33, on the right bank of the Colorado River, which is N. 0° 03' W., 44.00 chs. dist. From the cor. of secs. 4, 5, 32, and 33 on the south bdy. of the Tp.

Meanders of the Colorado River in Sec. 32
T. 33 S., R. 15 E.

Chains

Thence downstream, with the meanders of the right bank of the Colorado River, in Sec. 32.	
N. 51° 14' W., 4.25 chs.	
S. 89° 25' W., 3.50 chs.	
N. 62° 18' W., 14.52 chs.	
N. 16° 38' W., 6.00 chs.	
N. 55° 14' W., 6.50 chs.	
N. 17° 47' W., 13.82 chs.	
N. 0° 30' W., 4.00 chs.	
Point for the meander cor. of secs. 29 and 32, not monumented.	

General Description

T. 33 S., R. 15 E., is bisected by the Colorado River Canyon, nearly 2,000 ft. deep. Little Oreg Bend, a horseshoe-shaped feature of this canyon, is located in the southwestern portion of the Tp. Important tributaries are Sheep Canyon near the south bdy., Freddie's Cistern near the center of the Tp., and Cove Canyon in the extreme northeast cor. All drain their respective areas into the Colorado River which, in turn, drains the entire Tp. west. The Colorado River separates Andy Miller Flats, in the north, from Dry Mesa in the south and east, and a small portion of Brown's Rim in the extreme southwest cor. Elevations vary from 3,500 ft. to 5,700 ft. above sea-level.

No permanent sources of water were found within the Tp.

Two areas within the Tp. were notable for the presence of a comparatively abundant supply of native grasses. Access to both areas, however, is difficult. Dry Mesa is one of these areas, but is handicapped by the lack of water and accessibility. Andy Miller Flats is a more extensive area, but again suffers from lack of water. Access to Andy Miller Flats is accomplished by means of two tortuous jeep trails, one from the west and the other from the northeast.

Several man-made ditches have been strategically placed in and around secs. 2 and 3, and lead to a catch-basin, or reservoir, in sec. 2.

Timber consists mostly of scattered stands of pinon and juniper, with isolated stands of cottonwood in the canyon bottoms. Undergrowth is xerophytic.

CERTIFICATE OF CADASTRAL ENGINEER

375

I, George D. Voorhees, March day of 17th, 1956, Washington, D. C., hereby certify upon honor that, in

_____ I have surveyed the east boundary, the north boundary, a portion of the subdivisional lines, and the meanders of the Colorado River in Sec. 32, T. 33 S., R. 15 E.

_____ of the Salt Lake Meridian, in the State of _____ Utah, which are

_____ Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

_____ Salt Lake City, Utah
February 29, 1956
George D. Voorhees
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

1956

Washington, D. C., JUN 6

The foregoing field notes of the survey of _____ the east boundary, the north boundary, a portion of the subdivisional lines, and the meanders of the Colorado River in Sec. 32,

T. 33 S., R. 15 E.

executed by _____ George D. Voorhees

having been critically examined and found correct, are hereby approved.

Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above-described surveys in

_____ is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of a Portion of the Subdivision

of

Township 33 South, Range 16 East

Of the Salt Lake Meridian,

In the State of

Utah

EXECUTED BY

George D. Voorhees, Cartographer (Cadastral)

Under special instructions dated March 17, 1955, which provided
for the surveys included under Group No. 400, approved April 4, 1955
and assignment instructions dated March 30, 1955

Survey commenced September 9, 1955
Survey completed September 23, 1955

2432

16-56770-1

31	2	32	1	33	34	35	36
30	29	28	27	26	25	24	23
19	20	21	22	23	24	25	26
18	17	16	15	14	13	12	11
7	8	9	10	11	12	13	14
6	5	4	3	2	1		

Township 33 South, Range 16 East

INDEX DIAGRAM

T. 33 S., R. 16 E.

The south and west boundaries of T. 33 S., R. 16 E., were surveyed concurrently by George D. Voorhees with the portion of the subdivision of this township, and are described in the field notes of T. 34 S., R. 16 E., and T. 33 S., R. 15 E., respectively.

The following field notes are those of a portion of the subdivision of T. 33 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of the section that is normally considered a State school section.

The survey was executed with a W. and L. E. Gurley solar transit number 481346, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

The directions of all lines being reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established courses were run by random and true method, but for the simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with a steel tape, eight chains in length. This tape graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were on the slope, the vertical angle of each interval determined by use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lines of the survey are run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or by triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of sec. 32 is latitude $37^{\circ}51'30.66''$ N., longitude $110^{\circ}10'28.4''$ W., as determined by traverse from U.S. G.S. triangulation station "Mine," situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be $15^{\circ}00'$ E.

Portion of the Subdivision, T. 33 S., R. 16 E.

Beginning at the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the township, which is monumented by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 16 E.

N. $0^{\circ}03'$ W., bet. secs. 32 and 33.

Over rough and broken breaks in bottom of Dark Canyon, through thinly scattered timber, asc. 100 ft. along steep SW. slope.

Chains	
5.50	Top of ridge, slopes sharply W.; desc. about 40 ft. along a NW slope. Thence by triangulation.
9.00	Wash, drains S. 85° W.; asc. about 20 ft. along SW slope.
12.00	Top of ascent, bears N. 80° E. and S. 80° W.; desc. about 300 ft. over ledges along steep NW slope, and cliff, about 120 ft. high.
23.00	Wash in bottom of Lean-to Canyon, drains S. 75° W.; asc. over cliff, about 200 ft. high.
26.50	Top of cliff, bears E. and N. 50° W.; asc. over ledges along steep SE slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 32 and 33, about 520 ft. above wash in bottom of Lean-to Canyon.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 5 ft. base, to top of post, with brass cap marked,

$\frac{1}{2}$
S32 | S33
1955

57.30	N. rim of Lean-to Canyon, bears N. 80° E. and S. 80° W.; asc. 60 ft. over ledges along SW slope.
63.80	Top of ascent, bears NE. and SW.; desc. 30 ft. along NW slope.
65.70	Wash, drains SW.; asc. 50 ft. along SW slope.
71.40	Top of ascent, bears NE. and SW.; desc. 70 ft. along NW slope.
74.00	Wash, drains SW.; asc. 110 ft. over ledges along SW slope.
80.00	Point for the cor. of secs. 28, 29, 32, and 33.
	Set an iron post, 30 ins. long, 1 in. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 30 ins. high, with brass cap mkd.

T33SR16E
S29 | S28
S32 | S33
1955

Land, rough and broken breaks and slopes in Dark Canyon and Lean-to Canyon.
Soil, shallow sand and considerable exposed sandstone.
Timber, thinly scattered pinon and juniper.

Beginning at the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township, monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 16 E.
N. 0° 03' W., bet secs. 31 and 32. By triangulation.

Chains

Over rough and broken breaks in Dark Canyon, through thinly scattered timber; asc. about 900 ft. over ledges and talus on steep S. to SE. slope.
 W. rim of Dark Canyon, bears NE. and SW.; asc. 170 ft. over ledges on S. slope. and triangulation.
 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 32.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

S31 | S32

1955

Continue over rolling and broken land; asc. 30 ft. over S. slope.

Top of ascent, bears NW. and SE.; desc. 30 ft. along NE. slope.

Wash, 70 lks wide, 10 ft. deep, drains E.; asc 10 ft.

Top of ascent, bears E. and W.; desc. 30 ft. along NE. slope.

Wash, 60 lks. wide, 8 ft. deep, drains SE.; asc. 50 ft. over S. slope.

Sandstone spur, projects E.; desc. 100 ft. over ledges on steep N. slope.

Wash, 100 lks. wide, 8 ft. deep, drains N. 30° E.; asc. 170 ft. over ledges on steep S. slope.

Sandstone spur, about 150 lks. wide, bears W. 70° W.; and S. 70° E.; desc. 70 ft. over ledges on steep NE. slope.

Wash, drains E.; asc. 100 ft. over ledges on steep S. slope.

Sandstone spur, bears S. 80° E. and N. 80° W.; desc. 110 ft. over ledges on steep N. slope.

Wash in bottom of ravine, drains E.; asc. 40 ft.

W. rim of Dark Canyon, bears NW. and SE.; desc. 190 ft. over cliff.

Wash, drains E.; asc. 100 ft. over cliff.

W. rim of Dark Canyon, bears E. and SW.

Point for the cor. of secs. 29, 30, 41, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

T33SR16E

S30 | S29

S31 | S32

1955

Land, rough and broken ledges.
 Soil, shallow sand and considerable exposed sandstone.
 Timber, thinly scattered pinon and juniper.

Substation 1, 35 S., R. 16 E.

Chains

From the cor. of secs. 28, 29, 32, and 33.
S. 89° 53' W., bet. secs. 29 and 32.

Over broken land through scattered timber; desc. 140 ft. along
SW. slope.
E. rim of Dark Canyon, bears S. 70° E. and N.; desc. 40 ft. over
cliff to sandstone ledge.
Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 29 and 32.
Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) on
solid sandstone, and in a mound of stone, 4 ft. base, to top of
post, with brass cap mkd.

S29
MC S32
1955

Over cliff, about 300 ft. high, and ledges on E. wall of Dark
Canyon; desc. about 800 ft. By triangulation.
True point for the $\frac{1}{2}$ sec. cor. of secs. 29 and 32 is inaccessible
as it falls on face of cliff.
Continue descent over ledges on E. wall of Dark Canyon.

Wash in bottom of Dark Canyon; course N. 10° W., about 1,600 ft.
Below the E. rim; asc. about 1,600 ft. over ledges and cliffs on
E. wall of Dark Canyon.
E. rim of Dark Canyon, bears N. and S.; asc. about 40 ft. over
ledges on SE. slope.

The cor. of secs. 29, 30, 31, and 32. End triangulation.
Land, rough and broken breaks and slopes in Dark Canyon.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered pinon and juniper.

General Description

Sec. 32, T. 33 S., R. 16 E., lies at the junction of Lean-to Canyon
with Dark Canyon, with Dark Canyon lying north and south through
the center of the section. Elevations within the section vary from
1,000 ft. in the bottom of Dark Canyon to 5,600 ft. on the canyon
rim.

The entire section is very difficult to traverse because of the
nature of the terrain and the vertical displacement. The canyon
is over one-half mile wide at its narrowest. The canyon walls are
composed of steep talus slopes separated by cliffs from 100 ft. to
about 300 ft. high. Access to the bottom of Dark Canyon is by
means of a slide-slope on the canyon wall in the southwest portion
of the section; descent over the east wall, with the aid of ropes,
may be accomplished about one-half mile east and south of the
southeast corner of this section. The slide-slope is somewhat
treacherous, as nearly the entire slope is at about 58° from the
horizontal, beyond the angle of repose.

The cap-rock here is the Cedar Mesa member of the Cutler formation, while the canyon walls expose the Rico and Hermosa formations. Even in the driest seasons the wash in Dark Canyon apparently contains some water, probably from springs several miles up canyon to the east. However, no natural sources of water were found in this area. The timber is scattered pinon and juniper. Grass is practically nonexistent.